

University Bulletins

Series IX, Number 7

THE COMPLETE CALENDAR, CONTAINING UNIVERSITY BULLETINS
SERIES IX, NUMBERS 1 TO 7, INCLUSIVE

THE UNIVERSITY OF NEBRASKA

CALENDAR

July 1, 1903—July 1, 1904

ANNOUNCEMENTS

1904-1905



JULY, 1904
THE UNIVERSITY PRESS,
Lincoln, Neb.

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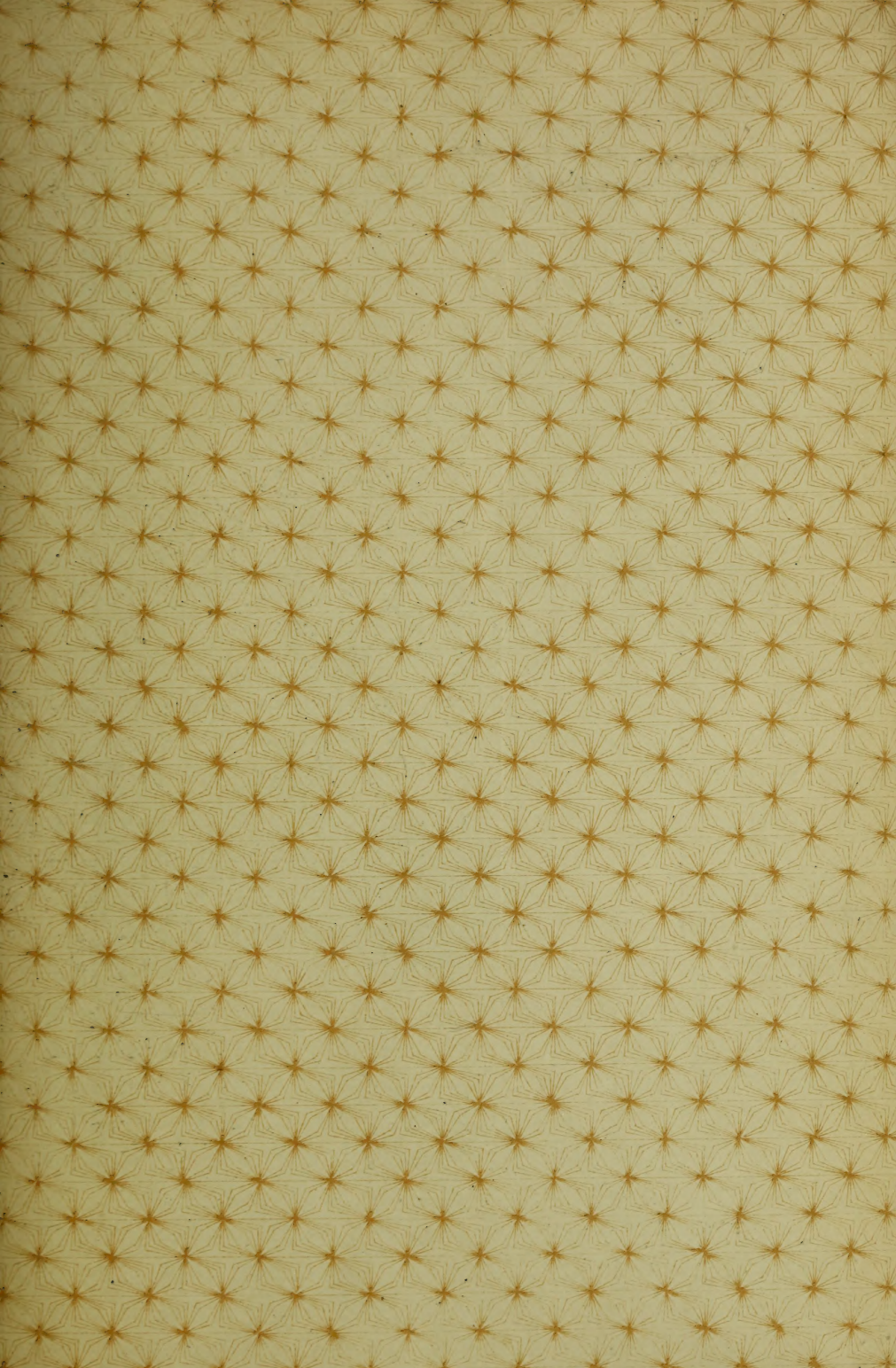
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CALENDAR

July 1, 1903—July 1, 1904

ANNOUNCEMENTS

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THE UNIVERSITY PRESS,
Lincoln, Neb.

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The bulletins of the University are issued one or more every month during the college year. One each is issued for the Graduate School, the College of Literature, Science and the Arts, the Industrial College, the College of Law, the College of Medicine, and the schools of Art, Agriculture, Domestic Science, Mechanic Arts, and Music. The bulletins are entered at the Lincoln post-office as second-class matter. They are furnished gratuitously, postage paid, to all who apply for them. In asking for bulletins, name the department of the University concerning which information is desired. Address

THE REGISTRAR,

THE UNIVERSITY OF NEBRASKA,
Lincoln, Nebraska.

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1904.

JANUARY.

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1905.

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CALENDAR ALL COLLEGES AND SCHOOLS

1904

September 5	Monday	School of Music, first term begins
September 20-23	Tuesday-Friday	Examination and registration.
September 21	Wednesday	College of Medicine, lectures begin at Omaha.
September 24	Saturday	Opening address by the Chancellor.
November 7	Monday	School of Agriculture, first term begins.
November 14	Monday	School of Music, second term begins
November 23	Wednesday, 6 P.M.	Thanksgiving recess begins.
November 28	Monday, 8 A.M.	Thanksgiving recess ends.
December 13	Tuesday	Regular meeting of the Board of Regents, [first Tuesday after the first Wednesday in December.
December 21	Wednesday, 6 P.M.	Christmas vacation begins.

1905

January 2	Monday	School of Agriculture, winter course begins.
January 4	Wednesday, 8 A.M.	Christmas vacation ends.
January 23-27	Monday-Friday	First semester examinations. Examination and registration for the second semester.
January 30	Monday	Second semester begins. School of Agriculture, second term begins. School of Music, third term begins.
February 15	Wednesday	Charter Day. Regular meeting of the Board of Regents. Ninth Mid-Winter Commencement.

April 10	Monday	School of Music, fourth term begins
April 11	Tuesday	Regular meeting of the Board of Regents,[the first Tuesday after the first Wednesday in April].
April 19	Wednesday, 6 P.M.	Easter recess begins.
April 26	Wednesday, 8 A.M.	Easter recess ends.
April 27	Thursday	School of Agriculture, Principal's reception.
April 28	Friday	School of Agriculture, commencement.
May 25	Thursday	College of Medicine, commencement.
May 30	Tuesday, 5 P.M.	Cadet Encampment begins.
June 3	Saturday	Cadet Encampment ends.
June 5-9	Monday-Friday	Second semester examinations.
June 10	Saturday, 4 P.M.	Final recommendation by the faculties for degrees.

COMMENCEMENT WEEK

June 10	Saturday, 8 P.M.	School of Music, annual concert.
June 11	Sunday	Baccalaureate sermon.
June 12	Monday, 8 P.M.	Commencement concert.
June 13	Tuesday, 2 P.M.	Annual meeting Board of Regents.
	8 P.M.	Oration before the Phi Beta Kappa society.
June 14	Wednesday	Alumni Day.
	9 to 2 P.M.	Class reunion and dinners.
	2 to 4 P.M.	Alumni field day.
	4 P.M.	Alumni address and business meeting.
	8 P.M.	Senior class play.
June 15	Thursday	Thirty-Fourth Annual Commencement.
	10 A.M.	Commencement procession.
	10:30 A.M.	Oration and conferring of degrees.
	8 P.M.	Chancellor's reception.
June 16	Friday	Summer Session begins.
July 28	Friday	Summer Session ends.
September 19	Tuesday	First semester begins (1905-1906).

BOARD OF REGENTS

HON. EDSON PROSPER RICH.....	Omaha
Term expires January, 1906	
HON. JOHN LEWIS TEETERS.....	Lincoln
Term expires January, 1906	
HON. ELISHA CUNNINGHAM CALKINS.....	Kearney
Term expires January, 1908	
HON. CARL JULIUS ERNST.....	Omaha
Term expires January, 1908	
HON. CHARLES SUMNER ALLEN.....	Lincoln
Term expires January, 1910	
HON. WILLIAM GUNN WHITMORE.....	Valley
Term expires January, 1910	

OFFICERS

HON. JOHN LEWIS TEETERS	President
JAMES STUART DALES..	Secretary

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EXECUTIVE

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FINANCE

MESSRS. ERNST, TEETERS, RICH

PROPERTY

MESSRS. ALLEN, ERNST, WHITMORE

INDUSTRIAL EDUCATION

MESSRS. WHITMORE, CALKINS, RICH

ADMINISTRATIVE OFFICERS

THE UNIVERSITY

ELISHA BENJAMIN ANDREWS, LL.D.

Chancellor and President of the University Senate

University Hall 102

1410 Q Street

JAMES STUART DALES, M.Ph.

Secretary of the Board of Regents and of the University Senate

University Hall 101

1242 P Street

MAX WESTERMANN

Accountant

University Hall 101

417 South 14th Street

THOMAS MOREY HODGMAN, A.M.

Inspector of Accredited Schools

University Hall 104

700 North 16th Street

HARRY GRAVES SHEDD, A.M.

Registrar

University Hall 102

407 South 14th Street

EDGAR HARLAN CLARK, A.B., LL.B.

Secretary to the Chancellor and Assistant Registrar

University Hall 102

407 South 14th Street

VIRGINIA HOFFMAN CLARK, B.L.

Secretary to the Chancellor, in charge of the Teachers' Bureau

University Hall 102

441 North 16th Street

ALICE BAIRD ENSIGN, A.B.

Assistant Registrar

University Hall 102

1005 E Street

THE UNIVERSITY OF NEBRASKA

MAUD CHEUVRONT
Assistant in Registrar's Office

University Hall 102
2800 S Street

CHARLES EDMUND CHOWINS, M.E.
Superintendent of Construction

University Hall 112
1802 Washington Street

ORVILLE JACKSON FEE, A.B.
Assistant Superintendent of Grounds and Buildings

University Hall 112
2061 Euclid Avenue

THE COLLEGES

LUCIUS ADELNO SHERMAN, PH.D.
Dean of the Graduate School

University Hall 104
1234 J Street

CHARLES EDWIN BESSEY, LL.D.
Dean of the Industrial College

University Hall 104
1507 R Street

ELLERY WILLIAMS DAVIS, PH.D.
Dean of the College of Literature, Science and the Arts

University Hall 104
1345 South 18th Street

ROSCOE POUND, PH.D.
Dean of the College of Law

University Hall 307
1969 A Street

HENRY BALDWIN WARD, PH.D.
Dean of the College of Medicine

University Hall 104
1520 D Street

EDGAR ALBERT BURNETT, B.Sc.
Associate Dean of the Industrial College and Director of the
Nebraska Experiment Station

Experiment Station Hall
549 North 25th Street

ADMINISTRATIVE OFFICERS

13

HAROLD GIFFORD, B.S., M.D.
Associate Dean of the College of Medicine
405 Karbach Block, Omaha

THE SCHOOLS

CHARLES RUSS RICHARDS, M.M.E.
Director of the School of Mechanic Arts
Mechanic Arts Hall 203
1803 A Street

ROSA BOUTON, A.M.
Director of the School of Domestic Science
Mechanic Arts Hall 105
1306 Butler Avenue

ALBERT EUGENE DAVISSON, A.B.
Principal of the School of Agriculture
Experiment Station Hall
220 South 26th Street

SARA SHEWELL HAYDEN
Director of the School of Art
Library Hall 305

WILLARD KIMBALL
Director of the University School of Music
1936 D Street

THE LIBRARY, MUSEUM AND GYMNASIUM

JAMES INGERSOLL WYER, B.L.S.
Librarian
Library Hall
632 North 25th Street

NELLIE JANE COMPTON, A.B.
Assistant Librarian
Library Hall
2332 P Street

ERWIN HICKLEY BARBOUR, PH.D.
Curator of the State Museum
Nebraska Hall 203
1234 R Street

THE UNIVERSITY OF NEBRASKA

CARRIE ADELINE BARBOUR

Assistant Curator of the State Museum

Nebraska Hall 203

1234 R Street

RAYMOND GUSTAVUS CLAPP, M.D.

Director of the Men's Gymnasium

Grant Hall

641 South 13th Street

ANNE BARR-CLAPP

Director of the Women's Gymnasium

Memorial Hall

641 South 13th Street

MEMBERS OF THE FACULTY AND OTHER OFFICERS

ELISHA BENJAMIN ANDREWS, LL.D.

Chancellor and President of the University Senate

*1900

University Hall 102

1410 Q Street

GROVE ETTINGER BARBER, A.M.

Professor of Roman History and Literature

1882

University Hall 205

1230 L Street

HENRY HUDSON NICHOLSON, A.M.

Professor of Chemistry and Director of the Chemical

Laboratories

1882

Chemical Laboratory

1144 P Street

LUCIUS ADELNO SHERMAN, PH.D.

Dean of the Graduate School and Professor of the English

Language and Literature

1882

Library Hall 311

1234 J Street

CHARLES EDWIN BESSEY, PH.D., LL.D.

Dean of the Industrial College and Professor of Botany

1884

Nebraska Hall 110

1507 R Street

DE WITT BRISTOL BRACE, PH.D.

Professor of Physics

1888, 1887

Nebraska Hall 301

1260 South 20th Street

JAMES THOMAS LEES, PH.D.

Professor of Greek History and Literature

1891, 1889

University Hall 214

*The date after each title indicates the year of appointment to the present rank; a second date denotes the year of first appointment in the University.

THE UNIVERSITY OF NEBRASKA

HOWARD WALTER CALDWELL, A.M.

Professor of American History and Politics

1892, 1883

University Hall 209

511 North 16th Street

ERWIN HINCKLEY BARBOUR, PH.D.

Professor of Geology, State Geologist and Curator of the State Museum

1893, 1891

Nebraska Hall 203

1234 R Street

ELLERY WILLIAMS DAVIS, PH.D.

Dean of the College of Literature, Science and the Arts and Professor
of Mathematics

1901, 1893

Mechanic Arts Hall 302

1345 South 18th Street

FRED MORROW FLING, PH.D.

Professor of European History

1893, 1891

Library Hall 308

641 South 13th Street

LAURENCE FOSSLER, A.M.

Professor of the Germanic Languages and Literature

1894, 1889

University Hall 109

1547 South 17th Street

LAWRENCE BRUNER, B. Sc.

Professor of Entomology and Ornithology and Acting State

Entomologist

1894, 1888

Mechanic Arts Hall 104

2314 South 17th Street

GOODWIN DELOSS SWEZEY, A.M.

Professor of Astronomy and Meteorology

1896, 1894

831 North 14th Street

HENRY BALDWIN WARD, PH.D.

Dean of the College of Medicine and Professor of Zoology

1902, 1893

Nebraska Hall 204

1520 D Street

GEORGE WASHINGTON ANDREW LUCKEY, PH.D.

Professor of Education

1896, 1895

University Hall 210

1439 R Street

WILLIAM GEORGE LANGWORTHY TAYLOR, A.B., LL.B.

Professor of Political Economy and Public Finance

1897, 1893

Library Hall 301

435 North 25th Street

CHARLES RUSS RICHARDS, M.E., M.M.E.

Professor of Mechanical Engineering and Practical Mechanics and

Director of the School of Mechanic Arts

1898, 1892

Mechanic Arts Hall 203

1803 A Street

OSCAR VAN PELT STOUT, B.C.E., C.E

Professor of Civil Engineering

1898, 1891

Mechanic Arts Hall 205

1735 Euclid Avenue

THOMAS LYTTLETON LYON, PH.D.

Professor of Agriculture and Associate Director of the Nebraska

Experiment Station

1899, 1891

Experiment Station Hall

CHARLES AUGUSTUS ROBBINS, PH.M., LL.B.

Professor of Law

1899, 1893

University Hall 208

1825 G Street

HENRY H. WILSON, A.M., LL.M

Professor of Law

1899, 1891

University Hall 208

1544 Q Street

EDGAR ALBERT BURNETT, B.Sc.

Associate Dean of the Industrial College, Director of the Nebraska

Experiment Station, Professor of Animal Husbandry

and Superintendent of Farmers' Institutes

1901, 1899

Experiment Station Hall

549 North 25th Street

ALBERT THEODORE PETERS, D.V.M.

Professor of Animal Pathology

Experiment Station Hall

2438 W Street

THE UNIVERSITY OF NEBRASKA

ALBERT EUGENE DAVISSON, A.B.

Principal of the School of Agriculture and Professor
of Economics Therein1900, 1897 Experiment Station Hall
220 South 26th Street

EDWARD ALSWORTH ROSS, PH.D.

Professor of Sociology

1901 University Hall 206
638 North 25th Street

SAMUEL AVERY, PH.D.

Professor of Agricultural Chemistry

1902, 1901 Experiment Station Hall
2745 Q Street

RAYMOND GUSTAVUS CLAPP, M.D.

Professor of Physical Education

1902 Grant Hall
641 South 13th Street

JAMES INGERSOLL WYER, B.L.S.

Librarian and Professor of Bibliography

1902, 1898 Library Hall
632 North 25th Street

WILSON CHASE, U.S.A.

Professor of Military Science and Tactics

1903 Grant Hall
Lindell Hotel

†WALTER WHEELER COOK, A.M., LL.M.

Professor of Law

1903, 1901 University Hall 208
2510 T Street

FERDINAND COURTNEY FRENCH, PH.D.

Professor of Philosophy

1903 Library Hall 110
505 North 25th Street

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Professor of Forestry

1903 Nebraska Hall 110
635 South 14th Street

†Resigned.

GEORGE HART MORSE, B.E.E.

Professor of Electrical Engineering

1903, 1898

Mechanic Arts Hall 208

350 North 28th Street

ROSCOE POUND, PH.D.

Dean of the College of Law and Professor of Law

1903

University Hall 307

1969 A Street

HOWARD REMUS SMITH, B.Sc.

Professor of Animal Husbandry

1903, 1901

Experiment Station Hall

THADDEUS LINCOLN BOLTON, PH.D.

Professor of Psychology

1904, 1900

Library Hall 110

1340 L Street

CLARA CONKLIN, A.M.

Professor of Romance Languages

1904, 1892

University Hall 301

1601 R Street

HAROLD GIFFORD, B.S., M.D.

Associate Dean of the College of Medicine and Professor of

Ophthalmology and Otology

1902

405 Karch Block, Omaha

RICHARD CHANNING MOORE, M.D.

Professor of Diseases of the Mind

1902

312 McCague Building, Omaha

DONALD MACRAE, M.D.

Professor of Railroad and Clinical Surgery

1902

Council Bluffs, Ia.

WELLINGTON SMITH GIBBS

Professor of Principles and Practice of Medicine and Clinical

Medicine

1902

202 Brown Block, Omaha

EWING BROWN, M.D.

Professor of Didactic and Clinical Gynecology

1902

1026 Park Avenue, Omaha

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WILLIAM FORSYTH MILROY, M.D.

Professor of Clinical Medicine and Physical Diagnosis
1902 312 McCague Building, Omaha

WILLSON ORTON BRIDGES, M.D.

Professor of Principles and Practice of Medicine and Clinical
Medicine
1902 302 Bee Building, Omaha

WILLIAM HENRY CHRISTIE, M.D.

Professor of Materia Medica and Therapeutics
1902 48 Barker Block, Omaha

AUGUST FREDERICK JONAS, M.D.

Professor of Practice of Surgery and Clinical Surgery
1902 18 Continental Block, Omaha

HARRY MONROE McCLANAHAN, M.D.

Professor of Pediatrics
1902 1312 North 40th St., Omaha

OSCAR SAMUEL HOFFMAN, M.D.

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1902 324 Bee Building, Omaha

BYRON BENNETT DAVIS, M.D.

Professor of Principles of Surgery and Clinical Surgery
1902 202 Bee Building, Omaha

FRANK STYLES OWEN, M.D.

Professor of Laryngology and Rhinology
1902 209 Karbach Block, Omaha

DONALD MACRAE, JR., M.D.

Professor of Clinical Surgery
1902 Council Bluffs, Ia.

VERNON LAWRENCE TREYNOR, M.D.

Professor of Clinical Medicine
1902 Baldwin Block, Council Bluffs, Ia.

ARTHUR CHARLES STOKES, M.D.

Professor of Chemistry and Instructor in Genito-Urinary Surgery
1902 213 McCague Building, Omaha

THE FACULTY AND OTHER OFFICERS

21

ANDREW BARTHOLOMEW SOMERS, M.D.

Professor of Obstetrics

1902 23 Continental Block, Omaha

SOLON RODNEY TOWNE, M.D.

Professor of Hygiene and State Medicine

1902 22 Continental Block, Omaha

JOSEPH MELANCTHON AIKIN, M.D.

Clinical Professor of Nervous Diseases

1902 401 Brown Block, Omaha

HANS PETER JENSEN, M.D.

Professor of Electro-Therapeutics

1902 2804 Harney Street, Omaha

FRANCIS ALBERT BROGAN, A.B., LL.B.

Professor of Medical Jurisprudence

1903 N. Y. Life Building, Omaha

WILLIAM GRANGER HASTINGS, A.B.

Professor of Law

University Hall 307

FRANK MACKOY JOHNSON, PH.D.

Associate Professor of Roman History and Literature

1896 University Hall 203
1216 H Street

ROLLINS ADAMS EMERSON, B.Sc.

Associate Professor of Horticulture

1903, 1899 Experiment Station Hall
Z and 33d Street

PAUL HENRY GRUMMANN, A.M.

Associate Professor of the Germanic Languages

1903, 1900 University Hall 113
1562 South 20th Street

ARCHIBALD LOUIS HAECKER, B.Sc.A.

Associate Professor of Dairy Husbandry in Charge
of the Department

1903, 1898 Dairy Hall
2544 J Street

THE UNIVERSITY OF NEBRASKA

ROBERT HENRY WOLCOTT, A.M., M.D.

Associate Professor of Zoology; Demonstrator in Anatomy

1903, 1894

Mechanic Arts Hall 300

2100 B Street

MILLER MOORE FOGG, A.M.

Associate Professor of Rhetoric

1904, 1901

University Hall 311

1634 H Street

PROSSER HALL FRYE, A.B.

Associate Professor of Rhetoric

1904, 1896

Mechanic Arts Hall 207

528 South 10th Street

NELLIE JANE COMPTON, A.B.

Assistant Librarian

1902, 1894

Library Hall

2332 P Street

WILLIAM FRANCIS DANN, A.M.

Assistant Professor of Greek History and Literature

1902, 1894

University Hall 202

3037 R Street

EDGAR LENDERSON HINMAN, PH.D.

Assistant Professor of Philosophy

1902, 1896

Library Hall 109

719 South 16th Street

GUERNSEY JONES, PH.D

Assistant Professor of European History

1902, 1897

Library Hall 307

1418 L Street

BURTON EVANS MOORE, A.M.

Assistant Professor of Physics

1902, 1896

Nebraska Hall 309

1604 Elm Street

WILLIAM HULL RAMSEY, M.D.

Assistant Professor of Anatomy

1902

224 Bee Building, Omaha

ALBERT LUTHER CANDY, PH.D.

Assistant Professor of Mathematics

1903, 1893

Mechanic Arts Hall 304

1003 H Street

GEORGE RICHARD CHATBURN, A.M.

Assistant Professor of Mathematics and Civil Engineering
1903, 1894 Mechanic Arts Hall 102
2850 P Street

FREDERIC EDWARD CLEMENTS, PH.D.

Assistant Professor of Botany
1903, 1894 Nebraska Hall 110
646 North 13th Street

BENTON DALES, PH.D.

Assistant Professor of Chemistry
1903 Chemical Laboratory
1242 P Street

ROBERT EDOUARD MORITZ, PH.D.

Assistant Professor of Mathematics
1903, 1898 Mechanic Arts Hall 306
1459 U Street

CLARENCE AURELIUS SKINNER, PH.D.

Assistant Professor of Physics
1903, 1899 Nebraska Hall 302
1600 Popular Street

HERBERT HAROLD WAITE, A.M., M.D.

Assistant Professor of Bacteriology and Pathology
1903 University Hall A
2611 Q Street

GEORGE EVERT CONDRA, PH.D.

Assistant Professor of Geology
1903, 1902 Nebraska Hall 203
Halter Block

MELVIN PRICE, B.Sc.

Assistant Professor of Mechanical Drawing and Machine Design
1904, 1900 Mechanic Arts Hall 308
628 South 10th Street

ROSA BOUTON, A.M.

Adjunct Professor of Chemistry and Director of the School
of Domestic Science
1898, 1888 Chemical Laboratory
1306 Butler Avenue

THE UNIVERSITY OF NEBRASKA

ANNE BARR-CLAPP

Adjunct Professor of Physical Education and Director of
the Women's Gymnasium

1899, 1894

Memorial Hall
641 South 13th Street

LOUISE POUND, PH.D.

Adjunct Professor of English Language and Literature

1900, 1894

Library Hall 311
1632 L Street

JOHN EDWIN ALMY, PH.D.

Adjunct Professor of Physics

1902, 1900

Nebraska Hall 305
1601 E Street

GEORGE HAMLIN BICKNELL, M.D.

Adjunct Professor of Ophthalmology and Otology

1902

405 Karbach Block, Omaha

PAUL HAGANS LUDINGTON, A.B., M.D.

Adjunct Professor of Principles of Surgery

1902

224 Bee Building, Omaha

FREDERICK AMES STUFF, A.M.

Adjunct Professor of English Language and Literature

1902

University Hall 308
702 North 16th Street

ELMER JAMES UPDEGRAFF, M.D.,

Adjunct Professor of the Practice of Surgery

1902

19 Continental Block, Omaha

CARL CHRISTIAN ENGBERG, PH.D.

Adjunct Professor of Mathematics

1903, 1896

Mechanic Arts Hall 302
936 Washington Street

JAMES HARRISON GAIN, M.D.C.

Adjunct Professor of Animal Pathology

1903, 1901

Experiment Station Hall
603 North 28th Street

FREDERICK DEFOREST HEALD, PH.D.

Adjunct Professor of Plant Physiology

1903

Nebraska Hall 102

1504 S Street

AMANDA HENRIETTA HEPPNER, A.M.

Adjunct Professor of the Germanic Languages and Literature

1903, 1894

University Hall 110

944 Washington Street

RALPH STAYNER LILLIE, PH.D.

Adjunct Professor of Physiology

1903

Nebraska Hall 204

709 South 11th Street

BENJAMIN FRANKLIN PARK, M.D.

Adjunct Professor of Obstetrics

1903

600 Paxton Block, Omaha

CLARK EDMUND PERSINGER, A.M.

Adjunct Professor of American History and Politics

1903, 1901

University Hall 209

1920 F Street

FRANK WEBSTER SMITH, PH.D.

Adjunct Professor of Education

1903, 1901

University Hall 210

1304 S Street

WILLIAM ALBERT WILLARD, A.M.

Adjunct Professor of Zoology

1903, 1902

Nebraska Hall 204

643 South 11th Street

CHARLES CARLETON ARBUTHNOT, PH.D.

Adjunct Professor of Political Economy.

1904, 1903

Library Hall 301

HERBERT SILAS EVANS, E.E.

Adjunct Professor of Electrical Engineering

1904, 1899

Mechanic Arts Hall 208

425 South 13th Street

GEORGE ANDREW LOVELAND, B.Sc., LL.B.

Instructor in Astronomy and Meteorology, and Observer and Section

Director, United States Weather Bureau

1894

Nebraska Hall 104

1130 South 20th Street

COMADORE EDWARD PREVEY, A.M.

Instructor in Sociology

1902, 1900

Library Hall 301

204 South 20th Street

CLARA ANGELINE MULLIKEN, A.B.

First Assistant in Library

1898

Library Hall 203

CHARLES LEE DEAN

Instructor in Mechanical Engineering

1902

Mechanic Arts Hall 203

227 South 15th Street

RUFUS ASHLEY LYMAN, A.M., M.D.

Instructor in charge of Physiology and Histology

1902

1105 Pacific Street, Omaha

LAURA DANA PUFFER, A.M.

Instructor in Mathematics

1902

Mechanic Arts Hall 302

518 North 16th Street

FRANKLIN DAVIS BARKER, A.M.

Instructor in Zoology

1903

Nebraska Hall 204

1336 L Street

JOHN FREDERIK BROWN, B.Sc.

Instructor in Mechanical Engineering

1903

Weber Block

GEORGE BROWN DANDY, M.D.

Instructor in Anatomy

1903

Omaha

FRED DORMANN, B.Sc.

Instructor in Mechanical Drawing

1903

Mechanic Arts Hall 308

1216 H Street

AVINGTON ADAM EDGINGTON, M.D.

Instructor in Anatomy

1903

Omaha

THE UNIVERSITY OF NEBRASKA

AUGUST HAGENOW

Instructor of the Band

1903

1009 G Street

ALBERT JACOBSON, B.S.

Instructor in Chemistry

1903

Chemical Laboratory

LAURA BELLE PFEIFFER, A.B.

Instructor in European History

1903

Library Hall 308

633 South 14th Street

CHARLES WILLIAM WALLACE, A.B.

Instructor in the English Language and Literature

1903, 1901

Library Hall 311

2408 Lynn Street

LEON EMMONS AYLSWORTH, A.B.

Instructor in American History and Politics

1904

University Hall 209

2440 Vine Street

AARON WELCH EDMISTON, M.D.

Instructor in Bandaging and Surgical Dressings

1904, 1902

3 Creighton Block, Omaha

ALFRED OLAF PETERSON, M.D.

Instructor in Internal Medicine

1904, 1902

16th and Howard Sts., Omaha

FRANCES BROWN TAYLOR, A.M.

Lecturer in Political Economy and Public Finance

1901

Library Hall 301

435 North 25th Street

PAUL KOERBER, M.D.

Instructor in Materia Medica and Therapeutics

1904

Yutan

BURTON WHITFORD CHRISTIE, B.Sc., M.D.

Instructor in Pediatrics

1904

48 Barker Block, Omaha

THOMAS TRUELSEN, M.D.

Instructor in Physical Diagnosis

1904

600 Paxton Block, Omaha

WILLIAM VERNON GAGE, M.D.

Instructor in Dermatology

1904

203 Bee Building, Omaha

JAMES SAMUEL GOETZ, M.D.

Instructor in Internal Medicine

1904 324 Bee Building, Omaha

CHARLES WHITNEY POLLARD, A.B., M.D.

Instructor in Obstetrics

1904 409 Paxton Block, Omaha

JOHN JAMES LEDWITH, B.S.c., LL.B.

Assistant Instructor in Law

1903 University Hall 208
2147 K Street

AGUSTUS DAVIS CLOYD, M.D.

Lecturer in Life Insurance Examinations

1902 Woodmen Building, Omaha

ALFRED ONIAS HUNT, D.D.S.

Lecturer in Dental Surgery

1902 12th and Pacific Sts., Omaha

GEORGE MOGRIDGE, M.D.

Lecturer in Arrested Development

1902 Glenwood, Ia.

HIRAM WINNETT ORR, M.D.

Lecturer in History of Medicine

1902 1238 O Street

LEE BRADLEY VAN CAMP, M.D.

Demonstrator of Anatomy

1902 301 Paxton Block, Omaha

WILLIAM PENALUNA WHERRY, M.D.

Clinical Assistant in Laryngology and Rhinology

1903 Omaha

CHARLES CAMPBELL MORISON, A.B., M.D.

Clinical Assistant in Surgery

1903 Omaha

CHARLES WILLIAM McCORKLE POYNTER, M.D.

Quiz Master in Human Anatomy

1903 1222 O Street

DAVID CLARK HILTON, A.M., M.D.

Assistant Demonstrator of Anatomy

1903 1116 O Street

THE UNIVERSITY OF NEBRASKA

CARRIE ADELINE BARBOUR, B.Sc.

Assistant Curator of the Museum

1895, 1892

Nebraska Hall 203

1234 R Street

MARY HENDERSON AMES

Assistant in charge of Engineering Libraries

1895

Mechanic Arts Hall 202

1118 G Street

JULIA EMMELINE LOUGHRIDGE, A.B.

Assistant in the School of Agriculture

University Farm

441 North 16th Street

SENATOR WILLIS PERIN

Assistant in Agriculture

1901

University Farm

EDNA NOBLE

Library Assistant

Experiment Station

RACHAEL CORR, B.Sc.

Assistant in the School of Agriculture

Mechanic Arts Hall 303

515 North 15th Street

HOMER LE ROY SHANTZ, B.Sc.

Instructor in Botany, School of Agriculture

FLETCHER LANE

Assistant in Physical Education

1221 P Street

JOHN MARTIN CHOWINS

Expert Mechanician, Department of Physics

1887

Nebraska Hall 301

1802 Washington Street

BERT SPENCER

Instructor in Construction of Apparatus

1893

Nebraska Hall 301

908 K Street

ADELINE MAY QUAINANCE

Storekeeper, Chemical Laboratory

1895

Chemical Laboratory

508 North 12th Street

JOHN GREEN

Engineer of Heating and Power Plant

327 North 11th Street

THE SCHOOL OF FINE ARTS

SARAH SHEWELL HAYDEN

Graduate of the Art Institute, Chicago; pupil of Lasar, Merson and Collin, Paris

Director of the School of Fine Arts

1899

Library Hall 304

1035 J Street

HENRIETTA M'ELROY BROCK

Pupil of F. B. Aulich and Mrs. Greenleaf

Instructor in China-Painting

1901, 1894

Library Hall 304

1342 F Street

THE UNIVERSITY SCHOOL OF MUSIC

WILLARD KIMBALL

General Director and Instructor in Pipe-Organ Playing

PIANO-FORTE DEPARTMENT

HENRY PURMONT EAMES, Director

INSTRUCTORS

MRS. WILL OWENS JONES

LURA SCHULER

PHILIP HUDSON

ASSISTANT INSTRUCTORS

ALLEYNE ARCHIBALD

NELLY GRIGGS

VOCAL DEPARTMENT

INSTRUCTORS

HOWARD IRA KIRKPATRICK

HARRY RUPERT CARR

MRS. CARRIE BELLE RAYMOND

ODA Z. CLOSSON

THE UNIVERSITY OF NEBRASKA

THEORETICAL DEPARTMENT

INSTRUCTORS

MORTIMER WILSON

HENRY PURMONT EAMES

VIOLIN

SILENCE DALES

VIOLINCELLO

LILLIAN EICHE

EVERETT CARDER, Registrar

CARRIE BARBOUR, Preceptress

THE UNITED STATES WEATHER BUREAU

GEORGE ANDREW LOVELAND, B.S., LL.B.

Section Director

1894

Nebraska Hall 104

1130 South 20th Street

OSCAR DEAN STEWART

Observer

1903

Nebraska Hall 104

1346 L Street

ARTHUR WHITSON PUGH

Printer

1904

Nebraska Hall 104

1511 Q Street

BRUCE B. McCAY

Observer

1904

Nebraska Hall 104

1346 L Street

GERVASE BARKER

Messenger

1897

Nebraska Hall 104

Bethany

FELLOWS—1904-1905

BOTANY—

Esther Pearl Hensel, B.Sc., 1901, University of Nebraska

EDUCATION—

Mattie Allen, A.B., 1900, University of Nebraska

GERMAN—

Elva Lorena Sly, A.B., 1903, University of Nebraska

Cora Elizabeth Wise, A.B., 1903, University of Nebraska

GREEK—

Rosalind Hess Griffin, A.B., 1901, University of Nebraska

MATHEMATICS—

William Vernon Lovitt, A.B., 1903, University of Nebraska

Charles Kenneth Payne, A.B., 1903, University of Nebraska

PHILOSOPHY—

Bessie Josephine Butler, A.B. 1901, University of Nebraska

PHYSICS—

Herbert Clark, B.S., 1898, University of Kansas

James McDowell, B.S., 1903, Morningside College

Leighton B. Morse, Ph.B., 1903, Iowa College

POLITICAL ECONOMY—

Minnie Throop England, B.Sc., 1903, Nebraska Wesleyan University

ZOOLOGY—

Chancey Juday, M.A., 1897, University of Indiana

Robert Thompson Young, B.S., 1896, University of Pennsylvania

SCHOLARS—1904-1905

AMERICAN HISTORY AND POLITICS—

Charles Emory Barber, A.B., 1904, University of Nebraska

PHYSICS—

Walter David Harris, B.S., 1903, Carleton College

INTERCOLLEGIATE-DEBATE HONORS, 1904

NEBRASKA-KANSAS DEBATE

Emory Roy Buckner, 1904.....Guthrie, Okla.

Louis Clarkford Lightner, Law 1904.....Columbus

Charles Abbott Sawyer, 1905.....Lincoln

Albert Melvin Levy, 1907 (alternate).....Lincoln

NEBRASKA-WASHINGTON UNIVERSITY DEBATE

George Albert Lee, 1903, Law 1905.....	Humboldt
Burdette Gibson Lewis, 1904.....	Omaha
Joseph Carl McReynolds, Law 1904.....	Lincoln
John Levi Clark, 1905 (alternate).....	Columbus

INTERCOLLEGIATE-DEBATE HONORS, 1903 (Addenda)**NEBRASKA-COLORADO COLLEGE**

John Columbus Doubt, Law 1903.....	University Place
John Nathaniel Norton, 1903.....	Stromsburg

STANDING COMMITTEES OF THE FACULTY

Accredited Schools and Admission to Freshman Standing in the General Colleges—PROFESSOR LEES (chairman), PROFESSORS BARBER, BARBOUR, BESSEY, BRACE, CALDWELL, CONKLIN, DAVIS, FLING, FOSSLER, NICHOLSON, RICHARDS, SHERMAN, SWEZEY, TAYLOR, and WARD.

Admission to Advanced Standing in the General Colleges (Advisory to the Deans)—PROFESSOR FLING (chairman), PROFESSORS ALMY, CONKLIN, JOHNSON, MILLER, LOUISE POUND, F. W. SMITH, and SKINNER.

Athletics—PROFESSORS CLAPP, CHATBURN, DALES, LEES, ROSCOE POUND, and RICHARDS.

Calendar and Bulletins—The REGISTRAR (chairman), PROFESSORS COOK, ENGBERG, FOGG, JONES, LYON, MOORE, PERSINGER, ROBBINS, H. R. SMITH, and STUFF.

Courses of Study in the General Colleges—PROFESSOR FOSSLER (chairman), PROFESSORS CALDWELL, CANDY, DAVISSON, FRENCH, HEALD, LEES, and STOUT.

Delinquent Students—PROFESSOR CHATBURN (chairman), PROFESSORS CLEMENTS, COMPTON, CONDRA, FRYE, HEPPNER, WILLARD, WILSON, and the REGISTRAR.

Emergencies—The CHANCELLOR (chairman), DEANS BESSEY, BURNETT, DAVIS, POUND, SHERMAN, and WARD.

Graduate Students and Their Studies—DEAN SHERMAN (chairman), PROFESSORS BRACE, CALDWELL, DANN, GRUMMANN, HINMAN, JONES, and WOLCOTT.

Irregular Registrations in the General Colleges—The CHANCELLOR (chairman), DEAN BESSEY (ex-officio), and DEAN DAVIS (ex-officio).

The Library—The LIBRARIAN (chairman), The CHANCELLOR, DEANS BESSEY, DAVIS, POUND, SHERMAN, and WARD.

Publication of University Studies—DEAN SHERMAN (chairman) DEAN BESSEY, PROFESSORS BOLTON, BRACE, EVANS, FLING, LILLIE, MORITZ, TAYLOR, and WYER.

Student Organizations—PROFESSOR ROSS (chairman), PROFESSORS BARBER, CHASE, BARR-CLAPP, CONDRA, EMERSON, FLING, FRYE, HAECKER, MORSE, and WOLCOTT.

Convocation Exercises—PROFESSOR FOSSLER (chairman), PROFESSOR CANDY, MISS HOWELL, MRS. RAYMOND, and the REGISTRAR.

University Extension—PROFESSOR LUCKEY (chairman), PROFESSORS AVERY, BARBOUR, BOUTON, BRUNER, GAIN, PETERS, and WAITE.

Committee Nominations—The CHANCELLOR (chairman), PROFESSORS BARBER, LEES, RICHARDS, ROSS, and WYER.

THE UNIVERSITY OF NEBRASKA

COLLEGES AND SCHOOLS

The University of Nebraska comprises the following colleges and schools:

THE GRADUATE SCHOOL

THE COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

THE INDUSTRIAL COLLEGE

THE SCHOOL OF AGRICULTURE

THE SCHOOL OF MECHANIC ARTS

THE SCHOOL OF DOMESTIC SCIENCE

THE COLLEGE OF LAW

THE COLLEGE OF MEDICINE

THE SCHOOL OF FINE ARTS

THE AFFILIATED SCHOOL OF MUSIC

THE SUMMER SESSION.

The Board of Regents is the governing board of the UNITED STATES AGRICULTURAL STATION FOR NEBRASKA and also the EXPERIMENTAL SUB-STATION at North Platte.

They also have entrusted to their care the superintendency of FARMERS' INSTITUTES.

The state has made the professors of botany, chemistry, entomology, and geology ex-officio the state botanist, chemist, entomologist, and geologist respectively. For the time being these state interests are under the care of the Board of Regents.

A brief description of these departments of the University is given below:

THE GRADUATE SCHOOL offers advanced courses, in the

College of Literature, Science, and the Arts, and in the Industrial College, leading to the degrees of Master of Arts and Doctor of Philosophy. These courses are open to graduates of any reputable college upon presentation of diploma, provided the administration of the School is satisfied that they are prepared to enter upon the work.

THE COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS offers instruction in classical and literary studies leading to the degree of Bachelor of Arts. These courses are largely elective and presume as a rule four years of residence work.

THE TEACHERS' COURSE is an advanced course for those who intend to prepare, by special and professional study, for positions of supervision and teaching in departments of higher education.

THE INDUSTRIAL COLLEGE contains the general and special groups of studies in science, agriculture, forestry, and engineering, leading to the degree of Bachelor of Science. The course for this degree requires, as a rule, four years of residence work.

THE SCHOOL OF AGRICULTURE is a secondary school, training students for an intelligent and practical farm life. There are two terms each year for three years. For those who cannot spend a longer time at the University, there is a short course of nine weeks. The long course—three years of two terms each—leads to the agricultural group in the Industrial College.

THE SCHOOL OF MECHANIC ARTS is a secondary school, with a two years' course, teaching the principles of practical mechanics.

THE SCHOOL OF DOMESTIC SCIENCE is a secondary school, teaching women the principles of household economics.

THE COLLEGE OF LAW offers three years of instruction leading to the degree of Bachelor of Laws.

THE COLLEGE OF MEDICINE offers courses covering four years and leading to the degree of Doctor in Medicine.

THE SCHOOL OF FINE ARTS gives instruction in drawing, painting, wood-carving, modeling, etching, firing, and the history of art.

THE AFFILIATED SCHOOL OF MUSIC provides instruction in every branch of instrumental and vocal music.

THE SUMMER SESSION of six weeks is intended to meet the wants of teachers and others who wish to pursue college study but cannot attend the University during its regular sessions.

ORGANIZATION AND GOVERNMENT

The University of Nebraska is a part of the public school system of the state, embracing all the grades of the system above the twelfth. The University crowns the work begun in the lower and continued in the high-school grades, adding larger and richer opportunities for mental culture. It opens its doors to all the sons and daughters of the state who are prepared to profit by the instruction it gives.

The University has no preparatory department. It maintains, however, secondary schools in agriculture, mechanic arts, and domestic science, wherein students cherishing these specialties or not prepared for longer courses of study, find opportunities for valuable practical training. Students entering the University subject to conditions, often, in preparing to pass off these conditions, attend the Lincoln Academy or the Lincoln High School.

The University of Nebraska was founded by an act of the Nebraska Legislature entitled "An act to establish The University of Nebraska," which took effect February 15, 1869.

Upon the adoption of the new constitution in 1875, which recognized the University as already having corporate existence, some important changes were introduced. Section 10 of Article 8, entitled "Education," Constitution of 1875, provides as follows:

SECTION 10.—The general government of the University of Nebraska shall, under the direction of the legislature, be vested in a Board of six

Regents, to be styled the Board of Regents of The University of Nebraska, who shall be elected by the electors of the State at large, and their terms of office, except those chosen at the first election as hereinafter provided, shall be six years. Their duties and powers shall be prescribed by law, and they shall receive no compensation, but may be reimbursed their actual expenses incurred in the discharge of their duties.

In 1877 the first legislature which convened after the adoption of the constitution of 1875, remodeled the act of 1869, making amendments to several sections thereof, conforming it to the new constitution, and consolidating in one act the amendments made to the law from 1867 to 1877. This amended and consolidated statute is the one giving its present organization to the University. It forms Chapter 87, *Compiled Statutes of Nebraska*.

REVENUES

By an amendment, passed in 1899, of the original act of 1869, a tax of one mill a dollar upon the grand assessment roll of the state is provided for the support of the University. Added to this are incomes from land leases and sales under the land-grant act of Congress of 1862 for the benefit of the Industrial College and under the enabling act reserving seventy-two sections of land for the State University; interest on permanent fund investments; and the money grant by the act of Congress, August, 1890, commonly known as the Morrill Act, and by the Hatch Fund Act of 1887. The total annual aggregate of revenue from these several sources, and including fees, is, for the biennium ending March 31, 1903, \$307,500.

LANDS

By the act of Congress, July 2, 1862, the Industrial

College of the University became possessed of 90,000 acres of land; and by the enabling act, admitting the state into the Union, seventy-two sections of land were reserved for the endowment of the University, thus making a total of 136,080 acres of endowment lands. These lands were located by a special commissioner and confirmed to the state.

Provision is made by law for the leasing of the lands, along with the common school lands, by the state board of public lands and buildings. The interest arising from leases and upon sale contracts, with taxes and other moneys intended for current use, is paid into the temporary University fund of the state. The principal accruing from former sales is paid into the permanent endowment fund to be invested in securities, only the interest of which can be used. Under an act of the legislature of 1897, no further sales of these lands can be made, but the lands may be leased as before. Between 15,000 and 20,000 acres remain unsold.

EQUIPMENT

GROUNDS AND BUILDINGS

The University of Nebraska is situated in the city of Lincoln, the capitol of the state. The main entrance to the campus is at Eleventh and R streets. The University Farm of three hundred and twenty acres is two and a half miles northeast of the campus.

On the campus there are eleven buildings used for purposes of instruction—

UNIVERSITY HALL, in the center, the oldest of the buildings, was built in 1870. It now houses the administrative offices; the College of Law, which occupies the second and third floors of the north wing remodeled in 1903; and the department of Greek History and Literature, Roman History and Literature, Rhetoric, Romance Languages, Germanic Languages, American History and Politics, Jurisprudence and Public Law, Education, and Elocution. Here are also the rooms of the literary societies and of the Young Women's Christian Association, and the Young Men's Christian Association.

THE CHEMICAL LABORATORY, built in 1884, contains the libraries, lecture rooms, and laboratories of the department of Chemistry. The interior was thoroughly remodeled in 1904.

THE BOILER HOUSE built in 1887, supplies heat to all the buildings on the campus, and steam for power and lighting. In it is the Steam- and Gas-Engine Laboratory.

IN GRANT MEMORIAL HALL, erected in 1887, are the men's gymnasium, the armory, and the offices of the departments of Physical Education (for men) and Military Science.

NEBRASKA HALL, built in 1887, contains the State Museum, the quarters of the United States Weather Bureau, and the lecture rooms, libraries, and laboratories of the departments of Botany, Geology, Horticulture, Meteorology, Physics, and Zoology.

THE OBSERVATORY, which was built in 1892, contains the library, dark room (for celestial photography) and the instrument rooms of the department of Astronomy. It is equipped with an equatorial telescope with photographic and photometric appliances, a transit instrument of the German type, and a small meridian circle. From the Observatory time signals are sent to all the buildings. The Observatory is open to visitors on the first and third Monday nights of the month.

THE PLANT HOUSE, built in 1890, maintained for the departments of Horticulture and Botany, furnishes plants for experimental purposes. For the use of these departments there are additional green-houses at the University Farm.

THE ELECTRICAL LABORATORY, built in 1891, contains the dynamos and other apparatus of the department of Electrical Engineering.

IN the SHOPS, which are connected with the Electrical Laboratory, are the forges and wood-working apparatus of the department of Mechanical Engineering and the School of Mechanic Arts.

LIBRARY HALL, finished in 1896, contains the University

Library and its seminary rooms, the museum and library of the Nebraska State Historical Society, the Art Gallery, and the rooms of the departments of Fine Arts, European History, English Language and Literature, Philosophy, and Political Economy and Public Finance. The main reading room accommodates 300.

In MECHANIC ARTS HALL, built in 1897, there are the offices, libraries, and laboratories of the departments of Civil, Mechanical, and Electrical Engineering, for which the building is designed. It also temporarily houses the departments of Domestic Science, Entomology, and Mathematics. Connected with it is a well-equipped foundry.

In THE UNIVERSITY SOLDIERS' MEMORIAL HALL, built in 1899, are the women's gymnasium, temporarily used as an auditorium, the office and rooms of the department of Physical Education (for women), and the women's rest room. In the auditorium, which seats 1,200, is the alumni organ.

Two new buildings were begun in the summer of 1904:

The PHYSICS BUILDING, which will house the department of Physics, and the United States Weather Bureau.

The ADMINISTRATION BUILDING, in which will be the various administration offices, and rooms for meetings of the Board of Regents and of the Faculty.

The ATHLETIC FIELD on the campus has grand stands seating 4,000.

THE MEDICAL COLLEGE BUILDING in Omaha, completed in 1899, is situated at the corner of Twelfth and Pacific streets. It is a brick and stone structure four stories above the basement, furnished with steam heat and electric lights,

and embodies the best features of modern medical-school buildings.

At the UNIVERSITY FARM there are, in addition to the barns, the following six buildings:

THE DAIRY LABORATORY, built in 1896, contains, on the first floor, rooms for classes in separating, churning, and testing milk, and, on the second floor, three large lecture rooms.

In the EXPERIMENT STATION HALL, erected in 1899, are the lecture rooms and laboratories for the work in soil physics, seed selection, and agricultural chemistry.

THE DAIRY BARN, built in 1903, is equipped with modern iron stalls for the herd, a feed store-room, and a stock-judging pavilion.

THE HORTICULTURAL LABORATORY, built in 1903, is occupied by offices, class rooms, and laboratories. Attached to it is a large green-house.

THE MACHINE SHOP, built in 1903, is used in part for forges for iron work and lathes for wood work, and in part to house the farm-machinery department.

THE SCHOOL BUILDING, the main building at the Farm, is in process of construction. On the first floor will be the quarters of the department of Animal Husbandry; on the second floor, the executive offices and library; and on the third floor, an auditorium. On the second and third floors will also be the class rooms of the departments of Animal Husbandry, English, Mathematics, and Physics.

LIBRARIES

The libraries accessible to members of the University aggregate 136,000 bound volumes and some 40,000 pamphlets. They are :

	Volumes
The University Library.....	65,000
The State Library.....	45,000
The Lincoln City Library.....	16,000
The State Historical Society Library	10,000
	<hr/> 136,000

THE UNIVERSITY LIBRARY

The University Library of 65,000 volumes occupies the main floor of Library Hall. It is primarily a reference library. Books are loaned to professors under certain restrictions, and to students upon written permission from heads of departments. The reading-room seats 300 and the departmental library reading-rooms, 250. There is stack-room space for 100,000 volumes.

For the last six years the library has grown at the rate of 4,500 volumes a year.

DEPARTMENTAL LIBRARIES

Twelve departmental libraries on the following subjects supplement the main library:

Agriculture.....	Experiment Station Hall
Astronomy	Observatory
Botany.....	Nebraska Hall 106
Chemistry.....	Chemical Laboratory
Entomology.....	Mechanic Arts Hall 104

Greek and Latin.....	University Hall 213
Law.....	University Hall 306
Mathematics and Engineering.....	Mechanic Arts Hall 202
Medicine.....	Library Hall 111
Meteorology.....	Nebraska Hall 105
Physics.....	Nebraska Hall 306
Zoology.....	Nebraska Hall 206

All these libraries of the University are open for reference to anyone whether connected with the University or not.

Reference work for teachers and students throughout the state is cheerfully done by correspondence.

The libraries are classified by the decimal system with a complete card catalogue of authors and subjects.

Five hundred periodicals are received.

The main library is open on all week days during the academic year from 8 a. m. to 10 p. m., except Saturdays, when it opens at 9 a. m. During the summer and short vacations it is open from 9 a. m. to 5 p. m.

For particulars regarding a course of lectures by the librarian on the use of the library, see "Bibliography," under "Courses of Instruction," in the announcement of the College of Literature, Science, and the Arts, and the Industrial College.

THE STATE LIBRARY

The State Library of 45,000 volumes, at the Capitol, is chiefly a law library—one of the best law libraries in the West. It contains substantially complete sets of the law reports and statutes of all English-speaking jurisdictions.

THE LINCOLN CITY LIBRARY

The Lincoln City Library of 16,000 volumes, in the Carnegie building at 14th and N streets, is a general library.

NEBRASKA HISTORICAL SOCIETY LIBRARY

The Nebraska Historical Society Library of 10,000 volumes and 19,000 pamphlets, on the first floor of Library Hall, includes much rare material, of importance to the student of American history, on the colonies and the West.

LABORATORIES

THE ANATOMICAL LABORATORY, on the third floor of Mechanic Arts Hall, is equipped with numerous models, especially of the brain and viscera; charts, skeletons colored to show areas of muscle and tendon attachment and sectioned to show structures especially about the head.

THE BACTERIOLOGICAL AND PATHOLOGICAL LABORATORY, on the ground floor of University Hall, is fitted with the usual equipment, including Leitz microscopes.

THE BOTANICAL LABORATORIES, in Nebraska Hall, 101, 102, 107, 108, are furnished with the usual apparatus for general, physiological, bacteriological, and pharmaceutical investigation.

THE CIVIL ENGINEERING LABORATORY, in Mechanic Arts Hall 102, is equipped with a Riehle hundred-ton testing machine and a cement-testing machine and their accessories.

THE ELECTRICAL ENGINEERING LABORATORY, in the shops, contains a variety of motors, transformers, and converters, for illustrating the transmission of power and the industrial uses of electricity. The equipment of measuring instruments is good. Steam engines supply the laboratory with power to direct and alternating generators of the different commercial types.

THE GEOLOGICAL LABORATORY, in Nebraska Hall 207, is equipped with sets of the common minerals and rock specimens showing the physiographic activity of the geologic periods; fossil sets showing characteristic forms of

the different periods; models indicating structural conditions; topographic maps and folios; and an extensive collection of lantern slides.

THE MECHANICAL ENGINEERING LABORATORIES are six in number: The Wood Shop has suitable equipment for forty-two students at a time; the Foundry, in Mechanic Arts Hall, for twenty students; the Forge Shop for twenty-four students; the Machine Shop, in Mechanic Arts Hall, for thirty students; the Steam- and Gas-Engine Laboratory, in the Boiler House, contains the experimental steam engines and boilers and the gas engines with auxiliary apparatus; and the Fuels and Friction Laboratory, in Mechanic Arts Hall, is equipped with apparatus with which to investigate the properties of fuels, gases, and lubricants.

THE MINERALOGICAL LABORATORY, in Nebraska Hall 201, has the usual apparatus for blow-pipe analysis, with petrographic microscopes, gonimeters, crystal models, and a complete set of crystals representing the different systems.

THE PHYSICAL LABORATORIES occupy the ground and fourth floors of Nebraska Hall until the completion of the new PHYSICS BUILDING begun in the spring of 1904. They include the laboratories, demonstration rooms for general and experimental physics, for precision measurements, and for electrical measurements. In addition to these are rooms for the courses in construction and normal instruction and for glass and metal working. There are also dark rooms for spectrum and photometric studies and liberal accommodations for research work. Expert mechanics and opticians are constantly engaged in the construction and repair of apparatus.

THE PSYCHOLOGICAL LABORATORY, on the first floor of Library Hall, is equipped with practically all the standard pieces of apparatus devised in the development of the modern psychology, and a considerable number of pieces made and used here successfully. The equipment includes two Hipp chronoscopes, a Ludwig kymograph, Zimmerman's complication reaction apparatus, Wundt's attention apparatus, Hoch's ergograph modified, a good assortment of time apparatus; tuning forks, ton messer, piano, etc., for sound experiments; and apparatuses devised for the study of motory power, etc. A well-equipped shop for iron-, brass- and wood-working is connected with the laboratory.

THE PHYSIOLOGICAL LABORATORY, on the ground floor of Nebraska Hall, has recently been equipped with the Harvard apparatus designed by Professor Porter. As in the most advanced laboratories of the world, the students here carry out their own experiments under guidance.

THE ZOOLOGICAL LABORATORY, in Nebraska Hall 106 and 205, is provided with the usual apparatus and with Zeiss microscopes and apochromatic objectives, Reinholt-Giltay and Minot microtomes; a series of charts, and demonstration preparations from the Naples Zoological Station; an extensive series of microscopic slides; the Darwin series of pigeons demonstrating variation; the series of Zeigler's embryological models; and a set of printed cards from the *Concilium Bibliographicum*, containing complete references to modern zoological literature.

MUSEUMS

The State Museum with the supplementary departmental museums—anatomy, botany, chemistry, classical, entomology, forestry, horticulture, pathology, zoology—the Fine Arts Gallery, and the collection of the Nebraska State Historical Society, provides a rich store of illustrative material.

THE STATE MUSEUM

The State Museum, in Nebraska Hall, already is well equipped, and is growing rapidly by both donation and purchase.

The geological collections consist chiefly of very complete sets of minerals, crystals, rocks, rock sections, ores, and fossils well systematized for class use. Some of these sets represent foreign as well as American material.

Conspicuous among the geological collections are the donations of Hon. Charles H. Morrill of Lincoln, for many years a regent of the University. This one collection, chiefly palæontological, occupies most of the space on the main floor. There are also many miscellaneous sets collected and donated by citizens of the state.

The zoological collection embraces fresh-water, marine, and land forms in general, with special collections of insects, birds, reptiles, fishes, and certain mammals from this state and elsewhere, together with numerous osteological and anatomical preparations.

The agricultural collection is an important feature of

the museum. It now comprises the forestry of the state as represented by timbers, shrubs, vines, and forestry photographs; the insects injurious and beneficial to vegetation; the woods, grains, grasses, and fruits of the state; and a complete collection of soils with analyses. Through the State Board of Agriculture many additions come to this collection.

In the archæological collections the 4,000 Indian relics from the various states donated by Dr. M. H. Everett, of Lincoln, is the most important single contribution.

To the collections of the State Geological Survey several thousand specimens have been added the past biennium. The building stones, clays, bricks, and other samples representing the economic resources of the state, are exhibited in cases in the gallery. The fossils are in the west half of the main geological laboratory.

THE UNIVERSITY HERBARIUM

The University Herbarium, which occupies Nebraska Hall 110, contains about 100,000 mounted specimens of plants representing the North American and European floras.

The Survey Herbarium of 10,000 mounted specimens of Nebraska plants and the Williams collection of lichens, consisting of 3,819 specimens belonging to the estate of the late Professor Thomas A. Williams and deposited by his heirs, are housed with the University Herbarium.

THE NEBRASKA HISTORICAL SOCIETY COLLECTION

The Nebraska Historical Society's collection, on the first floor of Library Hall, is rich in historical, sociological, and archæological material.

FINE ARTS GALLERY

The Fine Arts Gallery, on the second floor of Library Hall, is sixty by seventy feet in dimensions and is equipped with two hundred electric lights. In it are held the annual mid-winter exhibitions under the auspices of the Nebraska Art Association. The gallery contains the paintings which the Art Association has purchased at the exhibitions. Among them are Potthast's Waning Day, Harrison's Harvard Bridge, Duchez's The Reefs, Symon's Autumn, and Lucy Conant's The Marsh. Among the collection of casts, for use by the students in the School of Fine Arts, is Chapu's Joan of Arc.

GENERAL INFORMATION

THE UNIVERSITY YEAR

The university year embraces thirty-nine weeks, beginning the third Tuesday of September. The year, exclusive of the summer term, is divided into a first and a second semester. The June meeting of the Board of Regents is held on the first Tuesday after the first Wednesday of the month. Commencement Day falls on Thursday of the same week as the meeting of the Board of Regents [to-wit, the next day but one after said meeting].

The mid-winter commencement is on Charter Day, February the fifteenth. When the fifteenth of February falls on Sunday, the exercises take place on Monday. When the date falls on a Saturday, they are held on Friday, the day previous.

SPECIAL EXAMINATION

In regard to special examination the Board of Regents has ruled as follows:

1. No student has a right to demand a private examination. Such examinations are granted simply as favors at the option of instructors.

2. No member of a class or section may, for any reason or under any pretext whatever, be privately examined at an earlier time than that at which the regular examination of the class or section is scheduled. Any individual examination permitted must be held later.

3. To be examined at a time later than that set for his class or section, whatever the reason, a student must pay a special examination fee of \$1 a course (in the College of Law \$2 a subject as heretofore). The student desiring an individual examination in any course, first obtains his instructor's consent thereto, and then pays the secretary the proper fee, taking a receipt. This receipt, being shown the instructor, authorizes him to proceed with the examination.

STANDING

In recording the standing of students in their classes the following letters are used, indicating six grades: E=excellent (9 plus); G=good (8 plus); M=medium (7 plus); P=passed (6 plus); C=conditioned (5 plus); F=failed (below 5).

UNIVERSITY FEES

MATRICULATION

Matriculation fee.....\$5

This fee is charged to each student registering in the College of Literature, Science, and the Arts, the Industrial College, the College of Law, the College of Medicine, the Graduate School, the School of Agriculture, the School of Mechanic Arts, or the School of Domestic Science.

This fee is also charged each student changing membership from one college to another.

DIPLOMA

Diploma fee, first degree..... \$5
Diploma fee, an advanced degree..... 10

No person can be recommended for a degree until he has paid all dues, including the fee for diploma.

CERTIFICATES

For all Special Courses.....	\$1
Morocco Cover for Teacher's Certificate.....	2

NON-RESIDENT

Non-resident fee, each semester.....	\$10
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This fee is charged to each person not a resident of the state on registering as a student in the College of Literature, Science, and the Arts, in the Industrial College, or in the Graduate School.

INCIDENTAL

Incidental fee, each semester.....	\$3
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This fee is charged to each student registering in the College of Literature, Science, and the Arts, in the Industrial College, or in the Graduate School.

LIBRARY

Library fee, each semester.....	\$1
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This fee is charged to each student who does not pay a laboratory fee.

SPECIAL EXAMINATION

Each course.....	\$1
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SPECIAL REGISTRATION

Special registration fee.....	\$3
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This fee is charged to any student, not excused for cause by the Chancellor, who for any reason seeks to register or re-register later than the sixth week day of any semester or term. Any modification whatever of a registration is regarded as a re-registration.

COLLEGE OF LAW

All fees are payable in advance.

Matriculation fee.....	\$5
Library fee, each semester.....	1
Diploma fee.....	5
Tuition fees:	
Annual tuition, payable \$25 for the first semester and \$20 for the second semester.....	45
For one semester only.....	25
Special students, or one topic, each semester	12
Examination fees:	
For advanced standing.....	10
For special examination	2

COLLEGE OF MEDICINE

All fees and charges for work in Lincoln are payable in advance at the office of the secretary of the University in Lincoln; for work in Omaha, at the office of the associate dean at the college building in Omaha.

No part of fees can be refunded to students who leave during the session, but in case the same work is taken up again no additional charge is made for the part omitted.

No person can be recommended for degree until he has paid all dues, including the fee for the diploma.

Matriculation.....	\$5
Diploma.....	5
Special certificate of standing	5
Tuition fees:	
First year, first semester.....	20
First year, second semester.....	15
Second year, first semester.....	20
Second year, second semester.....	15
Laboratory fees for each semester:	
Anatomy.....	15
Bacteriology.....	8

GENERAL INFORMATION

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Pharmaceutical Botany (33, 34).....	2
Chemistry (A, B, 3, 4, 33, 34).....	5
Histology and Embryology (Zoology 9, 10).....	5
Pathology.....	8
Physiology (1, 2, 3, 4).....	2
Zoology (1, 2), general and medical.....	2

Third year fees:

Fees for all the required exercises of the year, including all hospital clinics and laboratories.....	\$80
Breakage deposit.....	10
Examination fee.....	10

Fourth year fees:

Fees for all the required exercises of the year, including all hospital clinics and laboratories.....	\$80
Breakage deposit.....	10
Examination fee.....	10

SCHOOL OF AGRICULTURE

Winter course, registration.....	\$1
Regular course, incidental fee, each year.....	4
Agricultural Chemistry, each year.....	3
Shop work, each year.....	2

SCHOOL OF FINE ARTS

Tuition fees:

One lesson a week, each semester.....	\$10
Two lessons a week, each semester.....	18
Three lessons a week, with use of studio daily, each semester...	25

China-Painting fees:

One lesson a week, each semester.....	12
Two lessons a week, each semester.....	23
Three lessons a week, each semester.....	33

SUMMER SESSION

Registration.....	\$6
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SCHOOL OF MUSIC

The tuition varies with the instructors. A complete schedule of fees is sent on application.

LABORATORY FEES

Agricultural Chemistry:

Course 1.....	\$3
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Botany:

Courses 1, 2, 3, 4, 15, 16, 17, 18, 23, 24, 25, 26, 27, 28, 34, 43, 44....	2
Courses 5, 6, 7, 8, 9, 10, 11, 12, 19, 20, 21, 22, 26a, 29, 30, 31, 32, 35, 36, 36a, 37, 38.....	3
Courses 45, 46, 47, 48, 49, 50.....	5
Courses 13, 14, 39, 40, 41a.....	1

Chemistry:

Courses A, B, 1, 2, 3, 4, 13, 14, 19, 20, 21, 22, 33, 34.....	5
Courses 5, 6, 7, 8, 9, 10, 12, 15, 16, 18, 23, 24, 25, 27, 28, 29, 30, 31, 32, 35, 36, 39, 40, 41, 42, 43.....	2

Civil Engineering:

Courses 5, 6, 7, 25, 26, 27, 30, 31, 32.....	3
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Domestic Science:

Course 1, 2.....	3
Course 3, 4.....	5

Electrical Engineering:

Courses 8, 9.....	5
Course 18.....	2

Entomology:

Courses 1, 2, 3, 4, 5, 6, 7, 8.....	2
Course 13.....	1

Geology:

Courses 1, 2, 13, 14.....	1
Course 15.....	3
Course 16.....	2

Mechanical Engineering:

Courses 1, 2, 3, 4, 5, 6, 6a, 15, 16a, 17.....	4
Course 16.....	5
Course 23a.....	2

Philosophy:

Course 2.....	1
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Physics:

Each laboratory course.....	3
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Zoology:

Courses 1, 2, 3, 4, 8a, 28.....	2
Courses 5, 8, 11, 12, 13, 14, 25, 26.....	3

Courses 9, 10.....	5
Courses 15, 16, 17, 18, 19, 20, for each credit hour a semester.	1
Course A.....	4

The above fees do not cover careless waste, breakage, or injury to apparatus. In any such case the department concerned names, at the secretary's office, the student in default and the sum required to make good the apparatus or materials destroyed. The student must pay promptly. Not doing so he is liable to lose his standing both in the particular class and in the University.

Procedure in the payment of fees is as follows: On or before the date announced by the department for this duty, the student pays the fee or fees at the secretary's office and takes a receipt therefor. Every receipt is the property of the student. Upon presentation at the department receipts must be stamped "Presented," a record made of the presentation of each, and the receipt returned to the student.

As in the cases of carelessness mentioned above, the department reports promptly to the secretary any non-payment of fees and considers as "delinquent" in reports to the registrar all students appearing to be in arrears in paying fees.

EXPENSES

The average cost of a year's attendance at the University is about \$250. Many students spend much less than this. Board and lodging may be had among families of the city. In September the Young Men's Christian Association and the Young Women's Christian Association make, under the direction of the registrar, a canvass of the city and keep on file lists of rooms and boarding places. The Young Men's Christian Association maintains an employment bureau.

To secure employment by which he may defray at least part of his expenses, a student in a city the size of Lincoln has many opportunities. The authorities of the University do not, however, undertake to find employment for students. A student is advised not to enter the University unless he can count upon resources for at least one semester's work—that is, about \$150.

FELLOWSHIPS AND SCHOLARSHIPS

Fellowships and scholarships are established in the different departments where extra help is needed for instruction. These are awarded either to graduate or to undergraduate students recommended by the heads of departments. They are not gifts or benefactions from the state, but means by which services, assisting the holder in some special line of work, may be rendered to the University.

For additional information see the announcement of the Graduate School.

PRIZES

WILLIAM JENNINGS BRYAN PRIZE

For the best essay on the science of government is offered annually the income of \$250, the gift of Hon. William Jennings Bryan. For detailed information apply to the professor of American history and politics. This prize was not awarded in 1903-1904.

EDWARD THOMPSON COMPANY PRIZE

For the best thesis by a member of the third-year class in the College of Law the Edward Thompson Company, of Northport, New York, offers *The American and English Encyclopædia of Law* or *The Encyclopædia of Pleading and*

Practice. The thesis, which must be submitted to the dean not later than the second Monday in May, must contain not less than 2,000 or more than 4,000 words, must be satisfactory to the examining committee as to matter and style, and must be printed or typewritten on paper of uniform size and quality. In 1904 this prize was awarded to

BURT GRIGGS.

EXCELLENCE IN FIRST YEAR STUDIES, COLLEGE OF LAW

For the three members of the first-year class who attain the highest rank in the studies of the first semester, a member of the Nebraska Bar offers prizes—books to be selected by the dean of the College. In 1903-1904 the prizes respectively were: Pollock and Maitland's *History of English Law*, Sohm's *Institutes of Roman Law*, and Digby's *History of the Law of Real Property*. They were awarded to

THEODORE THOMAS JOHNSON,

CHARLES DAVID RITCHIE,

GEORGE LANTZ.

For the member of the first-year class whose scholarship in the second semester displays the most marked improvement over that in the first semester, and who attains a grade of "E" in all his second-semester studies, a member of the Nebraska Bar offers a prize—a book or books to be selected by the dean of the College. In 1903-1904 the prize was Lord Campbell's *Lives of the Chief Justices*. It was awarded to

JAMES TUCKER FISHER.

THE CHANCELLOR'S PRIZE

For the three representatives of the University in one of the annual intercollegiate debates, if they win, Chancellor

Elisha Benjamin Andrews offers a prize of \$30, to be awarded in equal parts. In 1903-1904 this prize was awarded to

EMORY ROY BUCKNER, 1904,
LOUIS CLARK LIGHTNER, Law 1904,
CHARLES ABBOTT SAWYER, 1905.

THE UNIVERSITY PRIZE

For the three representatives of the University in the other annual intercollegiate debate if they win, a prize of \$30 is offered to be awarded in equal parts. In 1903-1904 this prize was awarded to

GEORGE ALBERT LEE, 1903, Law 1905,
BURDETTE GIBSON LEWIS, 1904,
JOSEPH CARL McREYNOLDS, Law 1904.

ANNUAL COMPETITIVE MILITARY DRILL

Company Drill.....	The Omaha Cup and Colors
Artillery Drill.....	Guidon
Individual Drill {	Infantry.....Gold and Silver Medal
	Artillery.....Gold Medal
	Company A.....Gold Medal

ATHLETIC TROPHIES

Freshman-Sophomore Contest.....	The Fleming Cup
Class Field Day.....	The Armstrong Cup
State Intercollegiate Field Day.....	
....The Farmers' and Merchant's Insurance Company Silver Shield	
Interstate Baseball League Championship.....	The Herpolsheimer Cup
Champion Annual Outdoor Pentathlon.....	The O'Mahoney Gold Medal

PHI BETA KAPPA

The Nebraska Alpha of the Phi Beta Kappa society was established at the University of Nebraska in 1896. This

organization, founded by Thomas Jefferson, has for its object the promotion of scholarship among the students and the graduates of American colleges. It aims to elect as members only men and women of distinguished scholarship.

The required subjects for eligibility to Phi Beta Kappa are arranged in three main groups, with three sub-groups in each group, as follows, the requirements for each of the nine sub-groups being ten (10) hours:

- I. Literary and Linguistic Group**—1. English and English Literature (in which group Anglo-Saxon is included). 2. Modern Language and Philology (in which group Gothic is included). 3. Ancient Language: Latin, Greek and Sanskrit (excluding courses in Greek or Roman history, art or literature in which English texts or translations are made the basis of instruction).
- II. Historical and Philosophical Group**—4. History, American and and European. 5. Philosophy and Psychology. 6. Political Economy and Sociology.
- III. Scientific Group**—7. Exact Science: Mathematics. 8. Physical Sciences: Physics, Chemistry, Astronomy, excluding courses without laboratory work. 9. Natural Sciences: Botany, Zoology, Geology, excluding courses without laboratory work.

Members of the class of 1905, in order to be eligible for election to Phi Beta Kappa, must have taken: 1. At least ten (10) hours of work in at least one (1) sub-group in each of the three main groups. 2. In addition, at least ten (10) hours of work in each of at least two (2) of the remaining six (6) sub-groups.

Members of the class of 1906 and subsequent classes, in order to be eligible for election to Phi Beta Kappa, must have taken: 1. At least ten (10) hours of work in at least one (1) sub-group in each of the three main groups. 2. In addition, at least ten (10) hours of work in each of at least three (3) of the remaining six (6) sub-groups.

SIGMA XI

The Sigma Xi, an organization similar to the Phi Beta Kappa, encourages "original investigation in science, pure and applied." The University of Nebraska chapter was established in June, 1897.

PUBLICATIONS

The University Studies, published quarterly by the University, contains contributions by members of the faculty.

Reports of the Botanical Survey of Nebraska and *The Flora of Nebraska*, are published by the Botanical Seminar.

Studies from the Zoological Laboratory, contributions by members of the department of Zoology, reprinted from scientific journals, are issued separately as a regular series.

The student publications include *The Daily Nebraska*, *Senior Class Book*, *Senior Law Book*, *The Sombrero* (the junior annual), *Nebraska Engineering Annual*, and *The Students' Handbook*, published each summer by the Christian associations and containing information and suggestions especially valuable to new students.

THE BOTANICAL AND GEOLOGICAL SURVEYS

Since 1892 the Botanical Seminar has conducted the Botanical Survey of Nebraska. The seminar has published eight reports and three parts of *The Flora of Nebraska*, and has in preparation *A Descriptive Catalogue of the Plants of Nebraska*.

The Nebraska Geological Survey, which was begun in 1891 and which has, largely through the generosity of Hon.

Charles H. Morrill, conducted annual excursions and field work, has prepared a number of reports indirectly related to the geological survey. It has published two formal reports—*Nebraska Geographical Survey*, Vols. I and II.

ACCREDITED SCHOOLS

The University maintains a system of accrediting schools. At present there are two lists: (1) those which prepare fully for the first year of University work; and (2) those preparing for the lowest classes carried at the University.

One credit point, which is taken as the unit of this system, is defined as follows: The work of a class in a well-equipped and efficient high school, in a given subject, for one semester of not less than eighteen weeks, with five recitations each week of from thirty-five to fifty minutes each; adequate time being given to the preparation of each lesson. Upon this basis the University determines the credit to which each school is entitled.

The inspection of high schools is performed by an inspector of accredited schools appointed by the Board of Regents. The report of the inspector, together with the official reports of the schools, forms the data on which the University bases its action.

Any public or private high school or academy desiring to be placed on the accredited list should make request to the University for an application blank.

High schools accredited to the University; town and village schools of nine, ten, and eleven grades; and counties approved upon inspection, are accredited to the University's School of Agriculture.

The High-School Manual, giving detailed information in regard to accredited schools and a list of the accredited schools, is sent to any address upon application to the registrar of the University.

UNIVERSITY EXTENSION

Many of the University professors deliver lectures before high schools, institutes, women's clubs, and other organizations. For information regarding these, address the Secretary of the Lecture Bureau.

FARMERS' INSTITUTES

The University carries on farmers' institute work in all parts of the state. Information in regard to these institutes is sent upon application to the Superintendent of Farmers' Institutes.

TEACHERS' BUREAU

The University maintains a teachers' bureau to assist students and graduates in securing positions as teachers and at the same time to aid superintendents and boards of education in providing schools with competent and suitable teaching talent. For information address the Secretary of the Teachers' Bureau.

CONVOCATION EXERCISES

Religious exercises are held in Memorial Hall at ten o'clock every week-day morning except Monday and Saturday. These are followed by either an interesting address on some important topic of the time, or by a musical program. The convocation period on Monday is reserved for class meetings and conferences between instructors and students.

ALUMNI ASSOCIATION

The Alumni Association, organized in 1874, is composed of the graduates of the University and of graduates receiving higher degrees. The annual meeting is held the day before Commencement Day.

ATHLETIC AND MILITARY

The University Athletic Board, composed of six faculty members and five student members, controls athletics in the University. The University is also a member of the Western Athletic Association. Embodied in the constitution of the University Athletic Board are most of the rules adopted at the Chicago Conference, November, 1896, and subsequently adopted by the universities of Michigan, Illinois, Wisconsin, Chicago, Purdue, Iowa, Indiana, Notre Dame, and Minnesota.

The Pershing Rifles is an organization of cadets composed of the best-drilled men in the cadet battalion. Membership is by election.

INTERCOLLEGIATE DEBATE

The intercollegiate debates and the appointment of the University's representatives therein are in control of the Debating Board, organized by the Debating Association in 1901. The Board is composed of the four officers of the Debating Association and seven members of the faculty. It has conducted debates with the University of Missouri, the University of Kansas, and Colorado College. In 1903-4 Nebraska met the University of Kansas and Washington University.

STUDENTS' SOCIETIES

RELIGIOUS

THE YOUNG MEN'S CHRISTIAN ASSOCIATION has rooms in the basement of University Hall. It organizes and conducts bible study among the students. It endeavors to promote growth in character and christian fellowship among its members and christian life and work in the University. At twelve o'clock each day it holds a ten-minute religious meeting in the Association's room. A prayer and conference meeting is held each Sunday afternoon.

The services of the Association's employment bureau are free to students in all departments of the University. In making applications for assistance applicants should state:

1. The kind of work in which they have had experience;
2. The kind they would accept;
3. The amount of time they can give to it;
4. The proportion of their expenses which they must earn; and
5. The college and class they expect to enter.

Through a committee the Association helps students to find comfortable rooms and boarding places. Students are more apt to secure desirable rooms by sending word beforehand and stating the prices they wish to pay.

Address all inquiries to the General Secretary of the Y. M. C. A.

A *Student's Handbook* containing items of information valuable to new students is issued at the beginning of each year. A copy is sent free to any address on application to the secretary.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION aims to promote christian life among the young women of the University. It has a pleasant room in the basement of University Hall, which is always open to members and their friends. A week-day religious meeting is held regularly, also a meeting each Sunday afternoon. Any young woman wishing information in regard to the University is invited to correspond with the general secretary.

THE COLLEGE SETTLEMENT—Students and professors are actively engaged in this branch of benevolent work. The Graham Taylor House, as the home of the College Settlement is called, is in charge of students and faculty and is largely maintained by them.

THE STUDENTS' VOLUNTEER MOVEMENT—The band of volunteers for foreign missions is composed of those who have declared their purpose to become missionaries. The band meets once a week for devotional and critical Bible study.

LITERARY AND SCIENTIFIC

LITERARY SOCIETIES—There are three open literary societies: the Palladian, the Union, and the Delian. They hold their meetings on Friday evenings in their respective halls. All students are invited. The Maxwell Club is a literary organization, the membership and work of which are entirely under the control of the students of the College of Law. Affiliated with these societies are debating clubs for both men and women.

THE GRADUATE CLUB is an organization for the purpose of promoting good fellowship and broad scientific interest among graduate students of the University. Meetings for

the discussion of topics under investigation and for addresses by prominent members of the faculty are regularly held.

THE AGRICULTURAL STUDENTS' ASSOCIATION meets weekly during the winter course in agriculture. It is organized for the discussion of subjects pertaining to agriculture and of the reports of various United States agricultural experiment stations.

THE KOMENIAN CLUB is a literary and social organization, the main purpose of which is to study the history and language of Bohemia.

THE BOTANICAL SEMINAR is a society of graduates and advanced students in botany, which meets monthly to discuss papers.

THE CHEMICAL SOCIETY, meeting quarterly in the Chemical Laboratory for the presentation and discussion of original papers, is a chartered section of the American Chemical Society.

THE CHEMICAL JOURNAL CLUB reads and discusses current chemical literature. A credit of one hour is given undergraduates for active work in this club.

THE DEBATING ASSOCIATION conducts, in conjunction with the Debating Board, debates with other universities.

THE DRAMATIC CLUB is an organization of students interested in amateur theatricals. They produce one or more plays each year.

THE ENGLISH CLUB is a writers' club, organized by students interested in writing, as a medium of friendly criticism. Membership is by election.

The English, history, and mathematical seminaries, and

the Latin and physics colloquii, the microscope and zoological clubs are organizations of advanced and graduate students and instructors in the departments concerned. At their meetings original papers are presented and methods and current literature discussed.

THE GLEE AND MANDOLIN CLUB is an organization of students of music. Concerts are given in Lincoln and towns throughout the state.

THE ENGINEERING SOCIETY brings to the University well-known practicing engineers to deliver lectures on special lines of work pertaining to engineering.

THE ZOOLOGICAL CLUB meets bi-weekly for the discussion of advance in lines of zoological investigation. The club has conducted several expeditions for the study of the fauna of Nebraska.

MISCELLANEOUS INFORMATION

MEETINGS OF STATE SOCIETIES—Many of the state societies, such as the State Teachers' Association, the State Board of Agriculture, the State Horticultural Society, the State Dairymen's Association, the Improved Stock Breeders' Association, hold their annual meetings on the University campus. The University is always pleased to extend its hospitality and the use of its buildings to any of these or to any similar organization.

CARE OF THE SICK—The University much needs an infirmary for the care of students when ill. Such students are, however, carefully provided for even at present, on application to the chancellor, at whose office all cases of serious illness should be reported.

VISITORS TO THE UNIVERSITY—Visitors are always welcome. High-school classes, clubs, or parties should, a few days in advance, inform the University of their coming.

THE OBSERVATORY—On the first and third Monday nights of the month the observatory is open to visitors.

WOMEN'S PARLOR—In Soldiers' Memorial Hall a beautiful parlor has been furnished by friends of the University for the use of all women members of the University without reference to religious or other affiliation.

STUDENTS' MAIL, sent direct to the University, should be addressed "Station A, Lincoln, Nebraska."

THE
GRADUATE SCHOOL

FACULTY OF THE GRADUATE SCHOOL

ELISHA BENJAMIN ANDREWS, LL.D.

Chancellor and President of the University Senate

University Hall 102

LUCIUS ADELNO SHERMAN, PH.D.

Dean of the Graduate School and Professor of the English Language
and Literature

University Hall 104

GROVE ETTINGER BARBER, A.M.

Professor of Roman History and Literature

University Hall 204

HENRY HUDSON NICHOLSON, A.M.

Professor of Chemistry and Director of the Chemical Laboratories

Chemical Laboratory

CHARLES EDWIN BESSEY, LL.D.

Professor of Botany

Nebraska Hall 110

DEWITT BRISTOL BRACE, PH.D.

Professor of Physics

Nebraska Hall 301

JAMES THOMAS LEES, PH.D.

Professor of Greek History and Literature

University Hall 214

HOWARD WALTER CALDWELL, A.M.

Professor of American History and Politics

University Hall 209

ERWIN HINCKLEY BARBOUR, PH.D.

Professor of Geology, Acting State Geologist, and Curator of the
State Museum

Nebraska Hall 203

THE UNIVERSITY OF NEBRASKA

ELLERY WILLIAMS DAVIS, PH.D.

Professor of Mathematics

Mechanic Arts Hall 302

FRED MORROW FLING, PH.D.

Professor of European History

Library Hall 308

LAURENCE FOSSLER, A. M.

Professor of the Germanic Languages and Literature

University Hall 109

LAWRENCE BRUNER, B.Sc.

Professor of Entomology and Ornithology

Mechanic Arts Hall 104

GOODWIN DELOSS SWEZEY, A.M.

Professor of Astronomy and Meteorology

Observatory

HENRY BALDWIN WARD, PH.D.

Professor of Zoology

Nebraska Hall 204

GEORGE WASHINGTON ANDREW LUCKEY, PH.D.

Professor of Education

University Hall 210

WILLIAM GEORGE LANGWORTHY TAYLOR, LL.B.

Professor of Political Economy and Public Finance

Library Hall 301

CHARLES RUSS RICHARDS, M. M. E.

Professor of Mechanical Engineering and Practical Mechanics

Mechanic Arts Hall 203

OSCAR VANPELT STOUT, C. E.

Professor of Civil Engineering

Mechanic Arts Hall 205

THOMAS LYTTLETON LYON, B.Sc.A., PH.D.

Professor of Agriculture

Experiment Station Hall

EDWARD ALSWORTH ROSS, PH.D.

Professor of Sociology

University Hall 206

WALTER WHEELER COOK, A.M., LL.M.

Professor of Law

University Hall 208

FERDINAND COURTNEY FRENCH, PH.D.

Professor of Philosophy

Library Hall 110

GEORGE HART MORSE, B.E.E.

Professor of Electrical Engineering

Mechanic Arts Hall 208

ROSCOE POUND, PH. D.

Professor of Jurisprudence and Public Law

University Hall 307

CLARA CONKLIN, A.M.

Professor of Romance Languages

University Hall 301

THADDEUS LINCOLN BOLTON, PH.D.

Professor of Psychology

Library Hall 110

FRANK MACKOY JOHNSON. PH.D.

Associate Professor of Roman History and Literature

University Hall 203

PAUL HENRY GRUMMANN, A.M.

Associate Professor of the Germanic Languages

University Hall 111

ROBERT HENRY WOLCOTT, A.M., M.D.

Associate Professor of Zoology and Demonstrator in Anatomy

Mechanic Arts Hall 300

MILLER MOORE FOGG, A.M.

Associate Professor of Rhetoric

University Hall 311

PROSSER HALL FRYE, A. B.

Associate Professor of Rhetoric

Mechanic Arts Hall 207

WILLIAM FRANCIS DANN, A.M.

Assistant Professor of Greek History and Literature

University Hall 202

THE UNIVERSITY OF NEBRASKA

EDGAR LENDERSON HINMAN, PH.D.

Assistant Professor of Philosophy
Library Hall 110

GUERNSEY JONES, PH.D.

Assistant Professor of European History
Library Hall 307

BURTON EVANS MOORE, A.M.

Assistant Professor of Physics
Nebraska Hall 309

ALBERT LUTHER CANDY, PH.D.

Assistant Professor of Mathematics
Mechanic Arts Hall 304

GEORGE RICHARD CHATBURN, A.M.

Assistant Professor of Mathematics and Civil Engineering
Mechanic Arts Hall 102

FREDERIC EDWARD CLEMENTS, PH.D.

Assistant Professor of Botany
Nebraska Hall 102

BENTON DALES, PH.D.

Assistant Professor of Chemistry
Chemical Laboratory

ROBERT EDOUARD MORITZ, PH.D.

Assistant Professor of Mathematics
Mechanic Arts Hall 306

CLARENCE AURELIUS SKINNER, PH.D.

Assistant Professor of Physics
Nebraska Hall 302

GEORGE EVERT CONDRA, PH.D.

Assistant Professor of Geology
Nebraska Hall 203

JOHN EDWIN ALMY, PH.D.

Adjunct Professor of Physics
Nebraska Hall 305

FREDERICK AMES STUFF, A.M.

Adjunct Professor of English Literature
University Hall 308

CARL CHRISTIAN ENGBERG, PH.D.

Adjunct Professor of Mathematics

Mechanic Arts Hall 302

FREDERICK DEFOREST HEALD, PH.D.

Adjunct Professor of Botany

Nebraska Hall 102

AMANDA HENRIETTA HEPPNER, A.M.

Adjunct Professor of the Germanic Languages and Literature

University Hall 110

RALPH STAYNER LILLIE, PH.D.

Adjunct Professor of Physiology

Nebraska Hall 204

CLARK EDMUND PERSINGER, A.M.,

Adjunct Professor of American History and Politics

University Hall 209

FRANK WEBSTER SMITH, PH.D.

Adjunct Professor of Education

University Hall 210

WILLIAM ALBERT WILLARD, A.M.

Adjunct Professor of Zoology

Nebraska Hall 204

HERBERT SILAS EVANS, E.E.

Adjunct Professor of Electrical Engineering

Mechanic Arts Hall 208

OTHER INSTRUCTORS

MARY LOUISE FOSSLER, A.M.

Instructor in Chemistry

Chemical Laboratory

JULIA KORSMEYER, A.M.

Instructor in Romance Languages and Literature

University Hall 302

GEORGE CLIFFORD SHEDD, A.B.

Instructor in Rhetoric

University Hall 312

THE UNIVERSITY OF NEBRASKA

CHARLES LEE DEAN

Instructor in Mechanical Engineering

Mechanic Arts Hall 203

COMADORE EDWARD PREVEY, A.M.

Instructor in Sociology

Library Hall 301

LEON EMMONS AYLSWORTH, A.B.

Instructor in American History and Politics

University Hall 209

THE GRADUATE SCHOOL

GENERAL INFORMATION

The Graduate School gives to those properly qualified opportunity to pursue advanced studies. The immediate administration is entrusted to the faculty, composed of the dean and heads of the departments offering courses of study in the school. The University offers the following advanced academic degrees: the degree of Master of Arts and the degree of Doctor of Philosophy. Certain advanced technical degrees are also offered, statements regarding which are given under the departments to which they pertain.

ADMISSION

For admission to the Graduate School a candidate must upon the proper blank, make formal application through the dean of the School to the committee on graduate students and their studies, submitting his diploma or diplomas, and other credentials if any. A candidate coming from another institution furnishes in addition proper testimonials in respect to his character and scholarship.

A graduate student not candidate for a degree is admitted to the school subject only to the conditions placed upon him by the respective departments in which he proposes to study.

The candidate for an advanced degree must fulfil the following conditions:

1. He must either have graduated as bachelor from this

University or have completed an undergraduate course of study equivalent to that here required for the bachelor's degree.

2. He must satisfy the committee on Graduate Students and their Studies described below that his preliminary training in the line or lines of study on which he wishes to enter is such that he can at once profitably take up the proper graduate work.

Authority to accept or to reject a candidate is in the hands of the following committees:

The committee on Graduate Students and their Studies determines whether or not the undergraduate work meets requirement 1 stated above. If such work appears insufficient the committee determines the character and amount of the deficiency. This committee reports to the candidate's special committee.

This special committee consists of the heads of the departments in which the candidate proposes to take his courses. This committee determines the applicant's fitness for candidacy in the special line or lines chosen, and, if he is accepted, lays out and supervises all his studies. The professor in charge of the major subject is the chairman of this committee and acts as the candidate's chief adviser.

To obtain an advanced degree a candidate must spend at least one year in resident work at this University. For the degree of Doctor of Philosophy this must be the last year of work.

Regulations in detail are specified below.

THE DEGREE OF MASTER OF ARTS

The degree of Master of Arts is conferred upon a can-

didate who, having been admitted to the Graduate School, as above, has pursued a course of graduate study, under the guidance prescribed, for a period of at least one full year's resident work, submitting an acceptable thesis and passing all required examinations. The work may be taken in one department or may, by permission of the dean, be divided among several.

THE DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is conferred on a candidate (1) who has devoted three years to the pursuit of graduate study; (2) who satisfies the Committee on Graduate Students and their Studies that he has a reading knowledge of French and German; (3) who has submitted an acceptable thesis; and (4) who has passed all required examinations.

The Committee on Graduate Students and their Studies determines whether advanced work taken elsewhere can count toward the degree. Private study or work pursued without proper facilities in libraries and laboratories is not accepted as equivalent to work done at the University.

Every candidate for the degree of Doctor of Philosophy must select one of the following combinations of courses:

1. A major (60) and one minor (40); or
2. A major (60) and two minors (20), (20).

REGULATIONS GOVERNING BOTH DEGREES

The major and minors chosen must be in allied subjects but in separate departments. The selection is subject to the approval of a special committee composed of the heads of these departments.

The final examination in each course, major or minor, may be taken upon the completion of the course. Such examination is held before an examining committee of not less than two members in the case of the candidate for the degree of Master of Arts, and of not less than three members in the case of the candidate for the degree of Doctor of Philosophy. This committee consists of the heads of the departments in which the subjects are taken. Other members of the faculty are invited to be present and any of them may question the candidate.

The thesis, upon a topic approved by the candidate's chief adviser, must present evidence of scholarly research. It must be written, paged and bound according to a prescribed form to be seen in the library.

The candidate for the degree of Master of Arts must submit a copy of his thesis to the examining committee not less than two weeks before his intended graduation.

The candidate for the degree of Doctor of Philosophy must submit a copy of his thesis to his principal instructor at least two months before his intended graduation.

If accepted by the examining committee, the thesis must be placed in the chancellor's office for at least two weeks, for inspection by the faculty. A public defense of the thesis may be required of the candidate. Upon final approval of his thesis and before graduation, the candidate is required to deposit in the library one hundred and fifty printed copies of the thesis or present to the secretary of the Board of Regents sufficient security to cover the cost of printing such copies.

FEES

Matriculation fee, each degree.....	\$5
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Diploma fee, each advanced degree.....	10
Incidental fee, each semester.....	3
Non-resident fee, each semester (see note below).....	10
Library fee, each semester.....	1

A "non-resident" is a student who has not lived in Nebraska six months prior to application for admission.

The usual laboratory fees are required of those taking work in any science or engineering department.

FELLOWSHIPS AND SCHOLARSHIPS

A system of fellowships and scholarships for the encouragement of graduate study is established in the University on the following plan:

I. A fellow or a scholar is appointed on the ground of high attainments. When needed, either is called upon to give assistance in instruction, receiving compensation as stated below.

II. On recommendations by the chancellor and the heads of the departments concerned, a fellowship is awarded by the Board of Regents to a candidate for a higher degree who has done at least one year of successful graduate work in this University or in some other institution of equivalent requirements. Each appointment is made for one year but may be renewed twice. Compensation for service by instruction or otherwise can not in any case exceed \$400 a year.

III. A scholarship is awarded to a candidate for a higher degree on terms similar to the above. The manner of appointment is the same as in the case of a fellowship, but the compensation can not exceed \$200 a year.

IV. Any fully organized department in the University may recommend for appointment one fellow. Each depart-

ment is entitled to recommend for appointment at least one scholar annually.

V. Fellows and scholars are named separately, under these two headings, in the calendar of the University, immediately after the members of the faculties.

THE GRADUATE CLUB

The Graduate Club aims to promote good fellowship, scientific interest, and breadth of view among the graduate students of the University. Any student registered for graduate work may become a member. The chancellor and all persons giving graduate instruction in the School are members by courtesy. The club meets at least twice a year—on the first Saturday of November and of May—to transact business and to listen to papers on scientific subjects. These papers aim to present, in comparatively untechnical form, the results of research. These papers thus keep students in touch with general scientific progress as well as deepen and widen their scientific interest.

REQUIREMENTS FOR ADVANCED DEGREES AND COURSES OF INSTRUCTION

Below are stated, department by department, the requirements for advanced degrees and the courses of instruction open to graduate students.

Courses primarily intended for graduate work in each case head the list. Following these are named certain undergraduate courses which graduate students may take. Each such undergraduate course is marked by an asterisk. Courses not so marked are for graduates alone, undergraduates attending them only by the special consent of the heads of the departments concerned. For the courses referred to as prerequisite to graduate work, see "Instruction," in the bulletin of the undergraduate colleges.

AGRICULTURE REQUIREMENTS

A reasonable training in the physical sciences and in biology is presupposed in the case of students taking any of the graduate courses in agriculture. It is not essential that a graduate student taking a minor in agriculture should have taken undergraduate courses in that department. Students are requested to consult with the head of the department before registering for graduate courses.

MASTER OF ARTS

SECOND MINOR: Courses 21, 22, 11, and 12.

FIRST MINOR: Courses designated for second minor and courses 13, 14, 15, and 16.

MAJOR: Thesis and courses equivalent to at least six hours.

COURSES

PROFESSOR LYON

13. **Plant Food in the Soil**—A series of pot experiments conducted in the greenhouse. Must be preceded by courses 21, 22, and 11. Four to ten hours laboratory. Two to five hours credit. First semester. PROFESSOR LYON.
14. **Plant Food in the Soil**—13 continued. Second semester.
- *15. **Methods of Investigation with Soils** — Must be preceded by courses 21 and 22. Four to ten hours laboratory. Two to five hours credit. First semester. PROFESSOR LYON.
- *16. **Methods of Investigation with Field Crops** — Conducted similarly to course 15. Must be preceded by courses 21 and 22. Four to ten hours laboratory. Two to five hours credit. Second semester. PROFESSOR LYON.
- *11. **Properties of Soils** — Must be preceded by courses 21 and 22. Four hours laboratory. Two hours credit. First semester. PROFESSOR LYON.
- *12. **Properties of Soils**—11 continued. Second semester.
- *21. **Soils**—A study of the properties of soils and their relation to crop production. Two hours attendance. Two hours credit. First semester. PROFESSOR LYON.
- *22. **Field Crops and Farm Management**—A discussion of methods of crop treatment, of crop rotations, and of the conduct of farm affairs. Two hours attendance. Two hours credit. Second semester. PROFESSOR LYON.

ASTRONOMY AND METEOROLOGY**REQUIREMENTS****MASTER OF ARTS**

SECOND MINOR: Any one of the following subjects may be offered, a knowledge of general astronomy being presupposed: (1) Practical astronomy. Courses 13 and 14, or courses 19 and 20 for those who have had courses 13 and 14; (2) Astrophysics. Courses 17 and 18; (3) Theoretical astronomy. Courses 21 and 22 or 23 to 26.

FIRST MINOR: Any two of the above three subjects.

MAJOR: Any two of the above subjects with the preparation of a thesis.

DOCTOR OF PHILOSOPHY

The department does not undertake major work for this degree, but the above courses offered for the degree of Master of Arts may be chosen as minors by candidates for the doctorate taking their majors in other departments.

COURSES

PROFESSOR SWEZEY

15. **Spherical and Practical Astronomy** — Theory and use of the transit, meridian circle, and other instruments of precision; accurate determination of time, latitude, etc. Three hours attendance. Three hours credit. First semester.
PROFESSOR SWEZEY.
16. **Spherical and Practical Astronomy** — 15 continued. Second semester.
17. **Astrophysics**—Lectures and practical work in astronomical spectroscopy, photometry, and photography. Two hours attendance. Two hours credit. First semester. PROFESSOR SWEZEY.
18. **Astrophysics**—17 continued. Second semester.
19. **Advanced Practical Astronomy**—Special problems. Three hours attendance. Three hours credit. First semester.
PROFESSOR SWEZEY.
20. **Advanced Practical Astronomy**—19 continued. Second semester.
21. **Calculation of Orbits and Ephemerides** — Three hours attendance. Three hours credit. First semester.
PROFESSOR SWEZEY.
22. **Calculation of Orbits and Ephemerides**—21 continued. Second semester.
23. **Calculation of Mean and Apparent Star Places** — Three hours attendance. Three hours credit. First semester.
PROFESSOR SWEZEY.
24. **Calculation of Eclipses and Occultations** — Three hours attendance. Three hours credit. Second semester.
PROFESSOR SWEZEY.

BOTANY**REQUIREMENTS**

To enter upon graduate work in botany the student must have had in addition to the requirements in botany for admission to the University, satisfactory courses in general botany or their equivalent, and one year of zoology, and must be able to read Latin, French and German.

MASTER OF ARTS

Candidates for the degree of Master of Arts select from the following courses:

MINORS: General botany, cytology, histology, elementary physiology and pathology, and bacteriology.

MAJORS: Histogenesis cytogenesis, systematic botany of algae, fungi, and the seed-plants, ecology, physiology, and pathology.

DOCTOR OF PHILOSOPHY

Candidates for the degree of Doctor of Philosophy select from the following courses:

MINORS: Histogenesis, cytology, systematic botany, ecology.

MAJORS: Cytological problems, phytogeographical problems, physiological, and pathological problems.

COURSES

PROFESSOR BESSEY, ASSISTANT PROFESSOR CLEMENTS,
ADJUNCT PROFESSOR HEALD

MAJORS: These may be combined with one or two of the minors below or with minors in other departments.

45. **Cytological Problems**—The critical investigation of current problems in the microchemistry and structure of the cell. Four to thirty-five hours laboratory. Two to fifteen hours credit. First semester.

PROFESSOR BESSEY, ASSISTANT PROFESSOR CLEMENTS.

46. **Cytological Problems**—45 continued. Second semester.

47. **Phytogeographical Problems**—Field, laboratory and herbarium study of problems in distribution, association, ecology and floristics with particular reference to phytogeographical methods and cartography. Four to thirty-five hours laboratory. Two to fifteen hours credit. First semester.

PROFESSOR BESSEY, ASSISTANT PROFESSOR CLEMENTS.

48. **Phytogeographical Problems**—47 continued. Second semester.
49. **Physiological and Pathological Problems**—The careful study of assigned problems in field and laboratory. Four to thirty-five hours laboratory. Two to fifteen hours credit. First semester.
PROFESSOR BESSEY, ADJUNCT PROFESSOR HEALD.
50. **Physiological and Pathological Problems**—49 continued. Second semester.
- MINORS: These may be combined with any of the botanical majors, or with majors in other departments.
- *3. **General Botany** (advanced course)—Four hours attendance. Eight hours laboratory. Four hours credit. First semester.
ASSISTANT PROFESSOR CLEMENTS.
4. **General Botany**—3 continued. Second semester.
- *5, 6. **Cytology**—Two lectures. Four to thirteen hours laboratory. Two to five hours credit. First and second semesters.
ASSISTANT PROFESSOR CLEMENTS.
7. **Histology**—Two lectures. Four to thirteen hours laboratory. Two to five hours credit. First semester.
ASSISTANT PROFESSOR CLEMENTS.
8. **Histology**—7 continued. Second semester.
- *19, 20. **Elementary Physiology and Pathology**—Three or five hours attendance. Six to ten hours laboratory. Three or five hours credit. First and second semesters.
PROFESSOR BESSEY, ADJUNCT PROFESSOR HEALD.
- *35, 36. **Bacteriology**—Two lectures. Four hours laboratory. Two hours credit. First and second semesters.
ADJUNCT PROFESSOR HEALD.
- *37, 38. **Bacteriology** (advanced course)—Two to five hours credit. First and second semesters. ADJUNCT PROFESSOR HEALD.
- MINORS AND MAJORS: Dependent upon the candidate's preparation.
- *9, 10. **Histogenesis**—Two lectures. Four to thirteen hours laboratory. Two to five hours credit. First and second semesters.
ASSISTANT PROFESSOR CLEMENTS.

- *11, 12. **Cytogenesis**—Two lectures. Four to thirteen hours laboratory. Two to five hours credit. Second semester.
ASSISTANT PROFESSOR CLEMENTS.
- *17, 18. **Algae and Mosses**—Two lectures. Four to thirteen hours laboratory. Two to five hours credit. First and second semesters.
PROFESSOR BESSEY, ASSISTANT PROFESSOR CLEMENTS, ADJUNCT PROFESSOR HEALD.
- *13, 14. **Seed-Plants**—Two lectures. Four to thirteen hours laboratory. Two to five hours credit. First and second semesters.
PROFESSOR BESSEY.
- *15, 16. **Fungi**—Two lectures. Four to thirteen hours laboratory. Two to five hours credit. First and second semesters.
PROFESSOR BESSEY, ASSISTANT PROFESSOR CLEMENTS.
- 21, 22. **Physiology** (advanced course)—Three to five hours credit. First and second semesters.
ADJUNCT PROFESSOR HEALD.
- *23, 24. **Ecology**—Two to five hours attendance. Four to ten hours laboratory. Two to five hours credit. First and second semesters.
ASSISTANT PROFESSOR CLEMENTS.
- 25, 26. **Field Ecology**—Two to five hours attendance. Four to ten hours laboratory. Two to five hours credit. First and second semesters.
ASSISTANT PROFESSOR CLEMENTS.
- 29, 30. **Pathology** (advanced course)—Three hours conference. Nine hours laboratory. First and second semesters.
PROFESSOR BESSEY.

CHEMISTRY REQUIREMENTS

A candidate for an advanced degree in chemistry must have completed the general scientific course in this University or its equivalent. Candidates who have not yet fulfilled this requirement but show special aptitude for the subject are allowed certain work in the Graduate School along with the required undergraduate subjects, the amount of such graduate work to be determined by the head of the department.

Courses for advanced degrees usually lie in experimental chemistry and chemical theory, much latitude being allowed in respect to the exact topics. The attainment of a degree depends more upon the can-

didate's ability to think clearly and closely than upon the accomplishment of a fixed amount of work. The required ability can be reached only after prolonged laboratory training in dealing with living problems.

The following courses may serve as first or as second minors according to the amount of time given to them.

MASTER OF ARTS

SECOND MINOR: Courses 18 and 26, 21 and 22; or 23 and 24.

FIRST MINOR: Courses 7, 8, 15, 16, 31, 32, according to amount.

MAJOR: Courses 7, 8, 15, 16, 26 (or 31, 32), 35, 36, and thesis.

DOCTOR OF PHILOSOPHY

This degree stands for research resulting in some definite advance in chemical knowledge.

COURSES

PROFESSOR NICHOLSON, ASSISTANT PROFESSOR DALES,
MISS FOSSLER, MR. JACOBSON

15. **Advanced Organic Chemistry**—Intended for those who desire a more extended knowledge of organic chemistry than that offered in undergraduate courses 3 and 4, or who intend to specialize. Instruction is given by lectures which discuss in detail the theories involved in this phase of chemistry and treat some of the most recent and important work connected with their development, and by laboratory practice, which gives the student preliminary work leading to organic research, the methods incident to such work receiving special attention. Six hours laboratory. Three hours credit. First semester. PROFESSOR NICHOLSON.

16. **Advanced Organic Chemistry**—15 continued. Second semester.

26. **History of Chemistry**—Lectures for advanced students including the elaboration of an assigned topic by each member of the class. Two hours credit. Second semester.

PROFESSOR NICHOLSON.

[*31. **Physical Chemistry**—More advanced studies of the properties of gaseous, liquid, and solid substances, the laws of vapor and osmotic pressure, the theories of solution and electrolytic dissociation and the laws of affinity and of thermo-chemistry. Must be preceded by courses 1, 2, 5, 6, and 25. Two hours lectures. Two hours credit. First semester. ASSISTANT PROFESSOR DALES.]

Not given in 1904-1905. Given in 1905-1906.

[*32. **Physical Chemistry**—31 continued. Second semester.]

39. **Advanced Analytical Chemistry**—Intended for those who wish a more extended knowledge of analytical chemistry than that offered in courses 7 and 8. Laboratory practice giving the student preliminary work leading to analytical research. Ten hours laboratory. Five hours credit. First semester.

ASSISTANT PROFESSOR DALES.

40. **Advanced Analytical Chemistry**—39 continued. Second semester.

44. **Theoretical Chemistry**—Discussion of the principles and theories of general chemistry. Two hours attendance. Two hours credit. Second semester.

PROFESSOR NICHOLSON.

Given in 1904-1905 and alternate years.

*7. **Quantitative Analysis**—Ten hours laboratory. Five hours credit. First semester.

ASSISTANT PROFESSOR DALES.

*8. **Quantitative Analysis**—7 continued. Second semester.

*21. **Assaying**—Four hours laboratory. Two hours credit. First semester.

MR. JACOBSON.

*22. **Assaying**—21 continued. Second semester.

EDUCATION REQUIREMENTS

Candidates for advanced degrees in education are presumed to have completed the professional requirements leading to the university teachers' certificate, or an equivalent of courses 1, 2, 4, and 7 in education, 1 and 2 in philosophy, and to be proficient in one or more academic subjects taught in the high schools.

MASTER OF ARTS

SECOND MINOR: Four hours' class-room work for one year.

FIRST MINOR: Six hours' class-room work for one year, together with assigned readings equivalent to a two-hour course.

MAJOR: At least six hours' class-room work for one year, and, in addition thereto, assigned readings and a thesis representing the equivalent of a six-hour course for one year.

The major for the master's degree may be taken as a minor for the doctorate. The number of hours required for major and minor, as given above, are only approximate.

COURSES

PROFESSOR LUCKEY, ADJUNCT PROFESSOR SMITH

- *9. **Secondary Education**—(1) Historical development of the high school. (2) Study of the modern high-school problems from the points of view of its evolution and of the recent studies in adolescence. (3) The study of private and public secondary schools in Nebraska. The course is planned especially for those who intend to teach in high schools or to take up the work of superintendence. Assigned readings, observation, reports, and discussions. One or two hours attendance. One or two hours credit. First semester.

ADJUNCT PROFESSOR SMITH.

- *10. **Secondary Education**—9 continued. Second semester.

- *11. **Graduate Seminary**—Devoted to special problems in educational psychology, child study, and the philosophy of education. Lectures, papers, and discussions. Two hours attendance. Two hours credit. First semester.

PROFESSOR LUCKEY, ADJUNCT PROFESSOR SMITH.

Given in 1904-1905 and in alternate years with 13.

- *12. **Graduate Seminary**—11 continued. Second semester.

- *13. **Philosophy of Education**—A study of the principles underlying all education, and their influence in determining the material, curricula, and methods of instruction. Lectures, discussions, and private readings. Two hours attendance. Two hours credit. First semester.

PROFESSOR LUCKEY.

- *14. **Philosophy of Education**—13 continued. Second semester.

- *15. **Seminary II**—Study of current educational literature and the professional training of teachers. One hour attendance. One hour credit. First semester.

PROFESSOR LUCKEY.

- *16. **Seminary II**—15 continued. Second semester.

- *17. **Adolescence**—A study of the health, growth, and development of youth as related to the various problems of secondary education. Open to students who have completed courses 1, 2, and 4. One hour attendance. One hour credit. First semester.

PROFESSOR LUCKEY.

- *18. **Adolescence**—17 continued. Second semester.

- *19. The Pedagogy of the Gospels**—From the point of view of modern studies in pedagogy and psychology. The course is planned for those who are interested in religious work as well as for those who wish to study the methods of secular schools. One hour attendance. One hour credit. First semester

ADJUNCT PROFESSOR SMITH.

- *20. The Pedagogy of the Gospels**—19 continued. Second semester.

ENGINEERING

CIVIL ENGINEERING

PROFESSOR STOUT, ASSISTANT PROFESSOR CHATBURN

- *5. Surveying**—Two hours attendance. Six hours field. Four hours credit. First semester.

PROFESSOR STOUT, MR. REED, MR. GREEN.

- *6. Surveying**—5 continued. Second semester.

- *7. Railroad Engineering**—Must be preceded by courses 5 and 6. Two hours attendance. Six hours field. Four hours credit. First semester.

PROFESSOR STOUT, MR. GREEN.

- *11. Hydraulics**—Two hours attendance. Two hours credit. First semester.

PROFESSOR STOUT.

- *12. Irrigation Engineering**—Course 11 required. Three hours attendance. Three hours credit. Second semester.

PROFESSOR STOUT.

- *13. Water Supply for Cities** — Course 11 required. Three hours attendance. Three hours credit. First semester.

PROFESSOR STOUT.

- *14. Cleaning and Sewerage of Cities**—Course 11 required. Three hours attendance. Three hours credit. Second semester.

PROFESSOR STOUT.

- *15. Design of Framed Structures**—Course 16 required. Three hours attendance. Three hours credit. First semester.

PROFESSOR STOUT.

- *16. Stresses in Framed Structures**—Courses 18 and 27 required. Four hours attendance. Four hours credit. Second semester.

ASSISTANT PROFESSOR CHATBURN.

- *18. **Theoretical and Applied Mechanics**—Must not be taken before calculus is begun. Three hours attendance. Three hours credit. Second semester. ASSISTANT PROFESSOR CHATBURN.
- *19. **Stereotomy** — Two hours attendance, drawing and laboratory. Two hours credit. First and second semesters. ASSISTANT PROFESSOR CHATBURN.
- *21. **Roads, Streets, and Pavements**—Two hours attendance. Two hours credit. First semester. ASSISTANT PROFESSOR CHATBURN.
- *22. **Masonry Construction**—Course 18 required. Two hours attendance. Four hours credit. Second semester. PROFESSOR STOUT.
- *25. **Civil Engineering Laboratory**—Course 18 required. Six hours laboratory. Two hours credit. First semester. ASSISTANT PROFESSOR CHATBURN.
- *26. **Materials of Construction**—One hour attendance. Three hours laboratory. Two hours credit. Second semester. ASSISTANT PROFESSOR CHATBURN.
- *27. **Mechanics of Materials**—Course 18 required. Two hours attendance. Three hours laboratory. Three hours credit. First semester. ASSISTANT PROFESSOR CHATBURN.
- *29. **Hydraulic Engineering**—Course 11 required. Three hours attendance. Three hours credit. First semester. PROFESSOR STOUT.
- *30. **Exploratory Surveying**—Course 5 required. One hour attendance. Three hours field. Two hours credit. Second semester. PROFESSOR STOUT.
- *31. **Timber Physics**—One hour attendance. Three hours laboratory. Two hours credit. First semester. ASSISTANT PROFESSOR CHATBURN.
- *32. **Timber Physics**—31 continued. Second semester.

ELECTRICAL ENGINEERING REQUIREMENTS

The degree of Electrical Engineer is granted after one year of graduate work carried out according to the rules of the Graduate School governing the degree of Master of Arts.

COURSES

PROFESSOR MORSE, ADJUNCT PROFESSOR EVANS

21. **Dynamo Design**—Detail drawings and specifications for direct-current machinery, chiefly work in the drawing room. Two hours attendance. Two hours credit. First semester.
PROFESSOR MORSE.
22. **Switchboard Design**—Chiefly draughting. One hour attendance. One hour credit. Second semester.
PROFESSOR MORSE.
23. **Advanced Alternating Currents**—Two hours attendance. Two hours credit. First semester.
PROFESSOR MORSE.
- *16. **Technical Reports**—One hour attendance. One hour credit. Second semester.
PROFESSOR MORSE.
- *17. **Electric Lighting**—Two hours attendance. Two hours credit. First semester.
PROFESSOR MORSE.
- *18. **Electro-Chemical Engineering** — Two hours attendance. Two hours credit. Second semester. ADJUNCT PROFESSOR EVANS.
- *19. **Telephone Engineering** — Two hours attendance. Two hours credit. First semester. ADJUNCT PROFESSOR EVANS.
- *20. **Electric Railways**—Two hours attendance. Two hours credit. Second semester.
PROFESSOR MORSE.

MECHANICAL ENGINEERING

REQUIREMENTS

Graduate work in mechanical engineering may be taken by any student who has had preparation in mathematics and science equivalent to that required of undergraduates in mechanical engineering, but candidates for the degree of Mechanical Engineer must, in addition, possess technical preparation equivalent to that required in the undergraduate course.

Graduate work for the degree of Mechanical Engineer consists of special laboratory investigations, of advanced engineering design, or of the collection and reduction of existing data relating to some specific engineering topic. So far as possible, such work is arranged to suit the needs of the individual student.

COURSES

PROFESSOR RICHARDS, MR. DEAN

24. **Advanced Engineering Design**—The student is required to design some complete engineering project—for example, a power plant, including the design of the building, the stack, the engine and boiler installation, the steam mains, etc.—and to formulate specifications for it. Occasional lectures. Six or nine hours drawing. Two or three hours credit. Second semester.
PROFESSOR RICHARDS.
27. **Advanced Laboratory Investigations**—Special investigations of problems relating to steam engines and boilers, gas engines, etc. Nine or twelve hours laboratory. Three or four hours credit. First semester.
PROFESSOR RICHARDS.
28. **Advanced Laboratory Investigations**—27 continued. Nine or twelve hours laboratory. Three or four hours credit. Second semester.
PROFESSOR RICHARDS.
- *9. **Valve Mechanism**—One hour lecture. Three hours drawing. Two hours credit. First semester.
PROFESSOR RICHARDS.
- *10. **Steam Engineering**—Four hours lecture. Four hours credit. Second semester.
PROFESSOR RICHARDS.
- *11. **Steam Boilers**—Two hours lecture. Two hours credit. First semester.
PROFESSOR RICHARDS.
- *12. **Thermodynamics and Its Application**—Four hours lecture. Four hours credit. Second semester.
PROFESSOR RICHARDS.
- *13. **The Mechanics of Pumping Machinery**—Three hours lecture. Three hours credit. First semester.
PROFESSOR RICHARDS.
- *15. **Mechanical Engineering Laboratory**—Six hours laboratory. Two hours credit. First semester.
MR. DEAN.
- *16. **Mechanical Engineering Laboratory**—Nine hours laboratory. Three hours credit. Second semester.
MR. DEAN.
- *17. **Mechanical Engineering Laboratory**—Six hour laboratory. Two hours credit. First semester.
MR. DEAN.
- *18. **Experimental Engineering**—Three hours lecture. Three hours credit. Second semester.
PROFESSOR RICHARDS.

- *25. **Internal Combustion Engines**—Three hours lecture. Three hours credit. First semester. PROFESSOR RICHARDS.
- *29. **Power Transmission**—Two hours lecture. Two hours credit. First semester. PROFESSOR RICHARDS.
- *30. **Locomotive Design**—One hour lecture. Five hours drawing. Two hours credit. Second semester. MR. DEAN.
- *31. **Hydraulic Motors**—Three hours lecture. Three hours credit. First semester. PROFESSOR RICHARDS.

ENGLISH LANGUAGE AND LITERATURE

REQUIREMENTS

Graduate study in this department is directed to scientific interpretation, philological history of English, and the investigation of literary development. All majors include or presuppose the undergraduate interpretative courses, with English literature 23, 25 and 26.

COURSES

PROFESSOR SHERMAN, ADJUNCT PROFESSOR POUND, ADJUNCT PROFESSOR STUFF

- *23. **Phonetics and General Linguistics**—Special reference to the history of English. Two hours attendance. Two hours credit. First semester. ADJUNCT PROFESSOR POUND.
- *25. **Seminary in Old English**—Open to students who have taken courses 1 and 2, or their equivalents. Two hours attendance. Two hours credit. ADJUNCT PROFESSOR POUND.
- *26. **Seminary in Old English**—25 continued. Second semester.
- *27. **History of Old English Literature**—One hour attendance. One hour credit. ADJUNCT PROFESSOR POUND.
- *28. **History of Old English Literature**—27 continued. Second semester.
- *29. **The Principles of Dramatization**—Dramatization of current and standard fiction. Two hours attendance. Two hours credit. First semester. PROFESSOR SHERMAN.

- *30. **The Principles of Dramatization**—29 continued. Comparison of the foreign drama with Shakespeare's. Second semester.
PROFESSOR SHERMAN.
- *31. **The English Drama at the Time of Shakespeare**—First semester.
Two hours attendance. Two hours credit.
ADJUNCT PROFESSOR POUND.
- *32. **English Literature of the Eighteenth Century**—Second semester.
Two hours attendance. ADJUNCT PROFESSOR POUND.
- *33. **English Ballads**—Reading of selected ballads illustrative of ballad development and of the various ballad types. The ballad revival in the eighteenth century. Modern imitative ballads. One hour attendance. One hour credit. First semester.
ADJUNCT PROFESSOR POUND.
- *34. **English Lyric Poetry**—An historical survey of English lyric poetry from the Old English to the Victorian period. Two hours attendance. Two hours credit. Second semester.
ADJUNCT PROFESSOR POUND.
- *35. **Celtic Thought and Feeling in Its Relation to English Literature**—Two hours attendance. Two hours credit. First semester.
ADJUNCT PROFESSOR STUFF.
- *36. **Celtic Thought and Feeling in Its Relation to English Literature**—35 continued. Second semester.
- *37. **History and Construction of the Novel**—Two hours attendance. Two hours credit. First semester. MR. PIPER.
- *38. **History and Construction of the Novel**—37 continued. Second semester.
- *39. **Seminary in Criticism**—Two hours attendance. Two hours credit. First semester. PROFESSOR SHERMAN.
- *40. **Seminary in Criticism**—39 continued. Second semester.
- *43. **Select Plays of Beaumont and Fletcher**—With reference to materials and construction. Two hours attendance. Two hours credit. First semester. MR. WALLACE.
- *44. **Select Plays of Beaumont and Fletcher**—43 continued. Second semester.

- *45. Seminary in the Development of English Prose**—Two hours attendance. Two hours credit. First semester.
PROFESSOR SHERMAN.
- *46. Seminary in the Development of English Prose**—45 continued. Second semester.
- *47. Seminary in the Development of English Interpretative and Literary Writing**—Two hours attendance. Two hours credit. First semester.
PROFESSOR SHERMAN.
- *48. Seminary in the Development of English Interpretative and Literary Writing**—47 continued. Second semester.

ENTOMOLOGY

REQUIREMENTS

A candidate for the degree of Master of Arts in entomology must have had zoology 1 and 2 in addition to entomology 1 and 2. He should be able to read Latin and either French or German.

MASTER OF ARTS

As his major for the degree of Master of Arts the student may choose either courses 5 or 6 or 7 and 8. His first and second minors he may elect either from the other courses offered as graduate studies in this department, or from the courses offered as graduate studies in the department of zoology.

The work in this department is of so technical a nature that each student should consult with the head of the department before registering for graduate work.

COURSES

PROFESSOR BRUNER

- *5. Systematic Entomology**—One or more hours attendance. Two hours laboratory for each credit hour. One hour or more credit. First semester.
PROFESSOR BRUNER.
- *6. Systematic Entomology**—5 continued. Second semester.
- *7. Advanced Economic Entomology**—One hour attendance. Two hours laboratory. One hour credit. First semester.
PROFESSOR BRUNER.
- *8. Advanced Economic Entomology**—7 continued. Second semester.

- *9. Horticultural Entomology** — One hour attendance. Two hours laboratory. One hour credit. First semester.

PROFESSOR BRUNER.

- *10. Domestic Entomology** — One hour attendance. Two hours laboratory. One hour credit. Second semester.

PROFESSOR BRUNER.

GEOLOGY

PROFESSOR BARBOUR, ASSISTANT PROFESSOR CONDRA

REQUIREMENTS

A working knowledge of German, French, and Latin is presupposed in the case of all candidates for advanced degrees in geology. It is also very desirable that they be able to use Greek. Sufficient and satisfactory undergraduate training in botany, chemistry, geology, and zoology is required. Varying demands and the conditions of previous training make it necessary to arrange courses, on consultation, to meet individual needs.

MASTER OF ARTS

While strictly definite courses cannot be laid down, the requirements are about as follows:

SECOND MINOR: A three-hour course for a year, together with assigned readings amounting to a one-hour course.

FIRST MINOR: A six-hour course for a year, together with assigned readings amounting to a two-hour course.

MAJOR: Twelve hours of work for a year, together with assigned readings amounting to a three-hour course, including a suitable thesis.

FULL COURSE: Eighteen hours of work for a year, together with assigned readings amounting to one course, with increased requirements for thesis and independent work.

DOCTOR OF PHILOSOPHY

On consultation with the head of the department, work is arranged with reference to each candidate, special stress being laid on strictly original investigation of some assigned geological problem, which serves as a basis for the thesis for the doctorate.

GERMANIC LANGUAGES

PROFESSOR FOSSLER, ASSOCIATE PROFESSOR GRUMMANN

REQUIREMENTS

The department of Germanic Languages offers work leading to the degree of Master of Arts. Before taking up such work candidates must have had at least the equivalent of six semesters of German. The advanced work may be along either literary or philological lines, though all candidates should take the more fundamental courses—Gothic, comparative grammar, phonetics. Adequate assistance and directions for the successful prosecution of literary studies are given by frequent interviews. The University Library contains the more representative works of German literature. These, together with a good supply of critical and biographical material, afford the student of literature ample facilities.

Candidates may make such combination of courses as best suits their needs. No definite statement of the number of hours can be given, it being the purpose of the department to encourage a fair mastery of certain phases of Germanics rather than to insist upon set or prescribed time limits. From two to three semesters, however, are necessary to complete the work for the degree. Minors may be chosen either in the German or in allied departments. A satisfactory thesis must precede the final examination.

COURSES

MINORS

- *11. **Advanced Course in German Literature**—Lessing's *Nathan der Weise*; Goethe; Werther's *Leiden*, *Emmont*. Three hours attendance. Three hours credit. First semester. PROFESSOR FOSSLER.
- *12. **Goethe**—*Götz von Berlichingen*, *Dichtung und Wahrheit*, *Faust*. Three hours attendance. Three hours credit. Second semester. PROFESSOR FOSSLER.
- *17. **Teachers' Course**—Lectures on methods of teaching German. Problems in historical grammar of importance to the teacher. Essentials of phonetics. Weekly written reports in German. Open only to students upon consultation with instructor. Two hours attendance. Two hours credit.

ASSOCIATE PROFESSOR GRUMMANN.

- *18. **German Compositions**—Practice teaching. Review and discussion of representative German school texts. Two hours attendance. Two hours credit. ASSOCIATE PROFESSOR GRUMMANN.
- *19. **Germanic Mythology**—Origin of myths. Relation of mythology to folk lore. Critical study of the most important Germanic myths. Two hours attendance. Two hours credit. ASSOCIATE PROFESSOR GRUMMANN.
- *20. **German Hero-Lore** (19 continued)—Study of the most important German legends with reference to their origin and distribution. Two hours attendance. Two hours credit. ASSOCIATE PROFESSOR GRUMMANN.

MAJORS

21. **Comparative Germanic Philology**—Lectures and assigned topics in historical comparative grammar of English and German. Dieter's *Altgermanische Dialekte*, Streitberg's *Urgermanische Grammatik*, Henry's *Comparative Grammar of English and German*. Three hours attendance. Two hours credit. First semester. PROFESSOR FOSSLER.
22. **Comparative Germanic Philology**—21 continued.
23. **Gothic**—Grammar and readings. General examination of the language with respect to its phonology, vocabulary, and inflectional system. Three hours attendance. Three hours credit. First semester. PROFESSOR FOSSLER.
24. **Gothic**—23 continued. One hour credit. Second semester. ASSOCIATE PROFESSOR GRUMMANN.
- 24a. **Old High German**—Selections from the older literature. Prose and verse. One hour attendance. One hour credit. Second semester. ASSOCIATE PROFESSOR GRUMMANN.
25. **Middle High German**—Selections from the *Nibelungenlied*, *Walther von der Vogelweide*, *Hartmann von Aue*, etc. Special attention is paid to the transition stages between the old and the new high German. Two hours attendance. Two hours credit. First semester. ASSOCIATE PROFESSOR GRUMMANN.
26. **Principles of Linguistic History**—The work is based principally upon Paul, *Prinzipien*, etc. Two hours attendance. Two hours credit. Second semester. PROFESSOR FOSSLER.

27. **Phonetics**—The work is based mainly on Siever's *Phonetik*. Some attention is paid to experimental phonetics. One hour attendance. One hour credit. First semester.

ASSOCIATE PROFESSOR GRUMMANN.

LIBRARY COURSES

28. **A General Survey of German Literature to 1800.**

PROFESSOR FOSSLER.

29. **The Classic Period of German Literature** — Lessing, Goethe, Schiller.

PROFESSOR FOSSLER.

30. **The Romantic School**—Its relation to the preceding period and to French and English literature.

ASSOCIATE PROFESSOR GRUMMANN.

GREEK HISTORY AND LITERATURE

REQUIREMENTS

MASTER OF ARTS

The requirements for the degree of Master of Arts vary somewhat according to the previous work of the student, but at least three years' study in the department should be completed before a student may proceed to graduate work.

SECOND MINOR: One-half the amount required for a first minor.

FIRST MINOR: Eight hours, at least, of class-room work from courses open to graduate students.

MAJOR: At least five hours for a year of class-room work. The entire Iliad or Odyssey read in the original. One Attic author carefully read and style mastered. A thorough knowledge of the history and development of Greek literature from Homer to Aristotle. A thesis.

COURSES

PROFESSOR LEES, ASSISTANT PROFESSOR DANN

31. **Seminary in Greek Tragedy**—Critical interpretations of one play of Aeschylus by the members of the class in turn. Other plays of Aeschylus read with special attention to the poet's language and literary style. Lectures on the development of Greek tragedy. Three hours attendance. Three hours credit. First semester.

PROFESSOR LEES.

- 32. Seminary in Greek Tragedy** (31 continued)—Selected plays of Sophocles and Euripides read with special attention to the dramatic action and metrical art. The life, works, and style of Aeschylus, Sophocles, and Euripides. An introduction to Greek rhythmic and metric. Three hours attendance. Three hours credit.
PROFESSOR LEES.
- *7. Greek Dramatists**—Three hours attendance. Three hours credit.
First semester. PROFESSOR LEES.
- *8. Greek Dramatists**—7 continued. Second semester.
- *11. Greek Comedy**—Two hours attendance. Two hours credit. First semester. PROFESSOR LEES.
- *12. Lucian**—Two hours attendance. Two hours credit. Second semester. PROFESSOR LEES.
- *13. Thucydides**—Selected portions. A careful study of the speeches and a rapid reading of the narrative. The style and characteristics of Thucydides. Two hours attendance. Two hours credit.
PROFESSOR LEES.
- *14. Thucydides**—13 continued. Second semester.
- *15. Advanced Prose Composition**—Designed especially for students expecting to teach. One hour attendance. One hour credit.
First semester. ASSISTANT PROFESSOR DANN.
- *16. Advanced Prose Composition**—15 continued. Second semester.

HISTORY

AMERICAN HISTORY AND POLITICS

PROFESSOR CALDWELL, ADJUNCT PROFESSOR PERSINGER
MR. AYLSWORTH

REQUIREMENTS

Undergraduate courses 1, 2, 3, and 4 may not count toward a higher degree. These courses, however, or their equivalents, and a fair knowledge of English and general history, must be presented by candidates for advanced degrees. All other courses in the department, except 19 and 20, may, with the approval of the head of the department, be counted toward higher degrees.

MASTER OF ARTS

In all cases the particular courses to be taken will be arranged by the candidate and the instructors in such a manner as to conform to the plans and preparation of each applicant.

SECOND MINOR: About seven hours of class-room work or its equivalent.

FIRST MINOR: Twice the work required for a second minor.

MAJOR: About ten or twelve hours of class-room work, and a thesis. A final examination before the proper committee is required of all major students.

FULL COURSE: One full year's work in the department, based on adequate preparation. About twenty hours of advanced class-room work, and a satisfactory thesis.

DOCTOR OF PHILOSOPHY

SECOND MINOR: About fifteen hours of work. The courses will be arranged in consultation with the applicant to accord with his aims and preparation.

FIRST MINOR: About twice the work required for a second minor.

MAJOR: Students who take a major in the department are expected to have a good knowledge of English and modern European history, and a fair acquaintance with the general principles of political economy, public law, general jurisprudence, and sociology. They must complete about forty-five hours of class-room work or its equivalent, and a thesis. The thesis must be based on source material, presented in good English, and show a reasonable degree of original and independent treatment.

COURSES

For other courses that may be taken as graduate work, see starred courses in the bulletin of the undergraduate colleges.

5. **Reconstruction**—Amendments to constitution. Impeachment of President Johnson. Politics to 1877. PROFESSOR CALDWELL.

6. **Reconstruction**—5 continued. Second semester.

21. **Seminary in Western History**—For 1904-1905 the subject will be Nebraska history; settlement; movements of population; constitutional and institutional beginnings and progress.

PROFESSOR CALDWELL.

22. **Seminary in Western History**—21 continued. Second semester.
23. **Seminary in American National History**—The subject will vary from year to year. In 1904-1905 the period 1840-1850 will be taken for special study.
PROFESSOR CALDWELL.
24. **Seminary in American National History**—23 continued. Second semester.
25. **Seminary in Suffrage Laws of the United States**—A study of restriction and extension of the suffrage in American history, with special emphasis upon present-day conditions.
ADJUNCT PROFESSOR PERSINGER.
26. **Seminary in Evolution of Tariff Argument in the United States**—Analytical and comparative study of the tariff controversy in its various epochs from 1816 to the present time.
ADJUNCT PROFESSOR PERSINGER.
46. **Seminary in American Constitutional History**—For 1904-1905 a special study will be made of Madison's *Journal* and *The Federalist*.
MR. AYLSWORTH.
49. **Theory of the State**—Modern theories: comparison of the views of Bluntschli, Burgess, and Willoughby.
PROFESSOR CALDWELL.
50. **Theory of the State**—49 continued. Second semester.

EUROPEAN HISTORY

PROFESSOR FLING, ASSISTANT PROFESSOR JONES

REQUIREMENTS

MASTER OF ARTS

SECOND MINOR: At least four hours of class-room work, consisting of the course on method and one other course. The student cannot begin graduate work until he has taken at least two years of undergraduate work.

FIRST MINOR: Same as 1, 2, 3, and 4 for major.

MAJOR: (1) An acquaintance with the history of Europe from the beginning of Grecian history to the last quarter of the nineteenth century. (2) A knowledge of the literature of European history, consisting of the best known sources in English, French, and Ger-

man, together with the most important work of modern writers. (3) An acquaintance with bibliographical aids and the leading historical atlases. (4) A knowledge of historical method as found in the *Lehrbuch* of Bernheim and the *Introduction* of Langlois and Seignobos. (5) A thesis based on the sources.

COURSES

25. **Historical Method**—Lectures and readings. Two hours attendance. Two hours credit. First semester. PROFESSOR FLING.
26. **Historical Method**—25 continued. Second semester.
27. **Seminary V**—The French revolution. One hour attendance. One hour credit. First semester. PROFESSOR FLING.
28. **Seminary V**—27 continued. Second semester.
- [*15. **The Renaissance**—Must be preceded by 1 and 2 and accompanied by a seminary. Two hours attendance. Two hours credit. First semester. ASSISTANT PROFESSOR JONES.]
Not given in 1904-1905. Given in 1905-1906 and alternate years.
- [*16. **The German Reformation to 1555**—Must be preceded by 1 and 2 and accompanied by a seminary. Two hours attendance. Two hours credit. Second semester. ASSISTANT PROFESSOR JONES.]
Not given in 1904-1905. Given in 1905-1906 and alternate years.
- *17. **The French Revolution**—Open to students that have had two years work in the department. Two hours attendance. Two hours credit. First semester. PROFESSOR FLING.
- *18. **The Napoleonic Era**—The requirements are the same as for course 17. Two hours attendance. Two hours credit. Second semester. PROFESSOR FLING.
- [*19. **Europe in the Nineteenth Century**—The requirements are the same as for course 17. Two hours attendance. Two hours credit. First semester. PROFESSOR FLING.]
Not given in 1904-1905. Given in 1905-1906 and alternate years.
- [*20. **Europe in the Nineteenth Century** — 19 continued. Second semester.]
21. **The Reforms of Turgot**—Open to seniors and graduates that have had three years work in the department. Two hours attendance. Two hours credit. First semester. PROFESSOR FLING.

22. **The Administration of Necker**—21 continued. Second semester.
37. **The Puritan Revolution**—Open to students that have had two years work in the department. Two hours attendance. Two hours credit. First semester. ASSISTANT PROFESSOR JONES.
38. **The Crusades**—Requirements are the same as for course 37. Two hours attendance. Two hours credit.
ASSISTANT PROFESSOR JONES.
29. **Seminary I**—A topic from English history. Open to juniors. One hour attendance. One hour credit. First semester.
ASSISTANT PROFESSOR JONES.
30. **Seminary II**—29 continued. Second semester.
23. **Seminary III**—The French revolution. Open to juniors. One hour attendance. One hour credit. First semester.
PROFESSOR FLING.
24. **Seminary IV**—23 continued. Second semester.

JURISPRUDENCE AND PUBLIC LAW

PROFESSOR POUND, PROFESSOR COOK, PROFESSOR BOLTON

REQUIREMENTS

MASTER OF ARTS

Complete courses or major or minor courses for the degree of Master of Arts, or minor courses for the degree of Doctor of Philosophy will be arranged upon application.

MASTER OF LAWS

Any student who has satisfactorily completed the regular course of study in the College of Literature, Science, and the Arts or in the Industrial College to the end of the third year, or in some other college maintaining an equivalent curriculum, is entitled to become a candidate for the degree of Master of Laws.

A candidate for the degree of Master of Laws shall be entitled to be recommended for the degree upon the completion of a four years' course of study, aggregating, in the four years, fifty-two hours a week. Of the fifty-two hours of work, not more than thirty-four hours may be elected in the field of Private Law or in that of Public Law, Roman Law, Jurisprudence, Politics, and Diplomatic History.

Students, otherwise qualified, who have received the degree of Bachelor of Laws from this University, after pursuing the full course of study, shall, upon pursuing for an additional year a course of study of at least thirteen hours a week, consisting of courses offered either by the College of Law or the Graduate School, or both, and passing satisfactory examinations therein, be entitled to receive the degree of Master of Laws, subject, however, to the provisions of the next paragraph.

No student shall receive the degree of Master of Laws who has not studied and passed satisfactory examinations in all the courses offered in Constitutional Law, International Law, Administrative Law, Roman Law, and Jurisprudence, in addition to all courses required of candidates for the degree of Bachelor of Laws.

The order in which subjects shall be taken by candidates for the degree of Master of Laws shall be determined, in the case of the College of Law by the dean of that college, and in the Graduate School by the head of the department offering the course.

Students, otherwise qualified, from other universities, colleges, or law schools, may be admitted to advanced standing as candidates for the degree of Master of Laws, provided that in no case shall anyone receive the degree who has not spent at least four years in the study of the subject in some university, college, or law school.

The decision whether work at another institution shall be accepted as equivalent to work at the University shall rest, in the case of studies under the College of Law with the dean of that college, and in the case of studies under the Graduate Faculty with the committee on Graduate Students and their Studies. But no person shall be admitted to examination for the degree of Master of Laws without a residence of at least one year at this University.

DOCTOR OF COMMON AND CIVIL LAW

Any student who completes all the requirements for the degree of Master of Laws and, in addition, either before graduation or within three years thereafter, submits a suitable thesis embodying the result of original investigation and research, on some subject connected with one or more of the courses of study pursued by the candidate, shall upon the approval of the thesis by the head of the department within which the subject falls, be entitled to receive the degree of Doctor of Common and Civil Law (*Juris Utriusque Doctor*), provided, however, that the degree shall not be conferred upon any person who does not present to

the Graduate Committee satisfactory evidence of ability to read at sight Latin, French, and German.

Upon final approval of his thesis and before the degree is conferred, the candidate shall deposit in the library one hundred and fifty printed copies of the thesis, or present to the secretary of the Board of Regents sufficient security to cover the cost of printing them.

COURSES

JURISPRUDENCE

- *1. **Analytical and Comparative Jurisprudence**—An introduction to legal theory. Three hours attendance. Three hours credit. First semester.
PROFESSOR POUND.
- *2. **Historical Jurisprudence**—Ancient law. The development of some of the principal legal institutions and doctrines. Three hours attendance. Three hours credit. Second semester.
PROFESSOR POUND.
- *3. **Roman Law**—History and Institutes. Two hours attendance. Two hours credit. First semester.
PROFESSOR POUND.
- [*4. **Roman Law** — Pandects. Two hours attendance. Two hours credit. Second semester. PROFESSOR POUND.]
Not given in 1904-1905. Given in 1905-1906.
- *5. **Philosophy of Law**—History of juristic thought. Two hours attendance. Two hours credit. First semester.
PROFESSOR POUND, PROFESSOR BOLTON.
Not given in 1905-1906.
- 6. **Canon Law**—Prerequisites: courses 1 and 3. Two hours attendance. Two hours credit. Second semester. PROFESSOR POUND.
Not given in 1905-1906.
- 8. **History of English Law to the Middle of the Eighteenth Century**—Prerequisites: courses 2 and 3. Three hours attendance. Three hours credit. Second semester. PROFESSOR POUND.
Not given in 1905-1906.

PUBLIC LAW

- *1. **American Constitutional Law**—Cases on constitutional law. Three hours attendance. Three hours credit. First semester.
PROFESSOR COOK.

- *2. American Constitutional Law**—1 continued. Cases on constitutional law. Prerequisite: course 1. First semester.

PROFESSOR COOK.

- *3. American Administrative Law**—The organization of the administrative authorities; law of officers; extraordinary legal remedies. Two hours attendance. Two hours credit. First semester.

Not given in 1905-1906.

PROFESSOR COOK.

- *4. American Administrative Law**—3 continued. Municipal corporations; taxation. Two hours attendance. Two hours credit. Second semester.

PROFESSOR COOK.

Not given in 1905-1906.

- *5. International Law** — Cases on international law. Three hours attendance. Three hours credit. First semester.

PROFESSOR POUND.

- [*6. International Law** — Advanced course. Prerequisite: course 5. Three hours attendance. Three hours credit. Second semester.

PROFESSOR POUND.]

Not given in 1904-1905. Given in 1905-1906.

- *7. Comparative Constitutional and Administrative Law**—Introductory course. A comparative study of the public law of the United States and England. Two hours attendance. Two hours credit. First semester.

PROFESSOR COOK.

Not given in 1905-1906. Alternates with 9.

- *8. Comparative Constitutional and Administrative Law**—7 continued. The public law of France, Germany, and Switzerland. Prerequisite: course 7. Two hours attendance. Two hours credit. Second semester.

PROFESSOR COOK.

Not given in 1905-1906. Alternates with 10.

- [*9. Comparative Constitutional and Administrative Law** — Advanced course. A comparative study of the public law of the principal European and American states. Prerequisite: Courses 7 and 8. Two hours attendance. Two hours credit. First semester.

PROFESSOR COOK.]

Not given in 1904-1905. Given in 1905-1906.

- [*10. Comparative Constitutional and Administrative Law**—9 con-

tinued. Prerequisite: Courses 7, 8, and 9. Two hours attendance. Two hours credit. Second semester. PROFESSOR COOK.]

Not given in 1904-1905. Given in 1905-1906.

***11. Seminary in Public Law**—Admission only by consent of instructor. Two hours attendance every other week. One hour credit. First semester. PROFESSOR COOK.

***12. Seminary in Public Law**—11 continued. Two hours attendance every other week. One hour credit. Second semester. PROFESSOR COOK.

MATHEMATICS

REQUIREMENTS

The candidate for an advanced degree, whether mathematics be a major or a minor, must have completed all the mathematics of the mathematical-physical group in the Industrial College.

MASTER OF ARTS

SECOND MINOR: Differential equations, mathematics 7, and advanced analytic geometry, mathematics 8.

FIRST MINOR: In addition to the above mathematics 6, 12, 25, and 26.

MAJOR: The additional requirements are: 1. Selections, approved by the head of the department, from such courses in advanced mathematics, mathematical physics, astronomy, or engineering as are offered during the student's residence. 2. A thesis.

DOCTOR OF PHILOSOPHY

The candidate for the degree of Doctor of Philosophy must not only have an extended general knowledge of mathematics on the basis of the requirements for the degree of Master of Arts, but must also devote special attention to some line of modern research, consulting not only standard treatises but the various mathematical journals. The results of this work are presented and discussed from time to time in the mathematical seminary and finally embodied in a thesis.

COURSES

PROFESSOR DAVIS, ASSISTANT PROFESSOR CANDY, ASSISTANT
PROFESSOR MORITZ, ADJUNCT PROFESSOR
ENGBERG, MISS PUFFER

14. Seminary—First Saturday of each month.

21. **Number Theory**—Three hours attendance. Three hours credit.
First semester. PROFESSOR DAVIS.
22. **Finite Differences**—Three hours attendance. Three hours credit.
Second semester, PROFESSOR DAVIS.
23. **Pure Mathematics** — Two hours attendance. Two hours credit
First semester. PROFESSOR DAVIS.
24. **Pure Mathematics**—23 continued. Second semester.
- *7. **Advanced Differential Equations**—Must be preceded by course 5.
Two hours attendance. Two hours credit. First semester.
ASSISTANT PROFESSOR CANDY.
- *8. **Advanced Differential Equations**—7 continued. Second semester.
9. **Advanced Geometry**—Must be preceded by course 5. Three hours
attendance. Three hours credit. First semester
ASSISTANT PROFESSOR CANDY.
10. **Advanced Geometry**—9 continued. Second semester
- *11. **Geometry of Position**—Three hours attendance. Three hours
credit. First semester.
- *12. **Geometry of Position**—11 continued. Second semester.
- *25. **Mathematical Pedagogy**—Three hours attendance. Three hours
credit. First semester. ASSISTANT PROFESSOR MORITZ.
- *26. **Mathematical Pedagogy**—25 continued. Second semester.

PHILOSOPHY REQUIREMENTS

Major or minor courses for advanced degrees are arranged for students in psychology, ethics, or history of philosophy. No exact statement of the number of hours required either for the degree of Master of Arts or Doctor of Philosophy can be made; but for a major for the degree of Doctor of Philosophy the student is required to complete the class work offered by the department, or its equivalent, together with a thesis displaying power of original and independent investigation.

COURSES

PROFESSOR FRENCH, PROFESSOR BOLTON, ASSISTANT
PROFESSOR HINMAN

- 21. Advanced Psychology**—Systematic course in general psychology. Lectures, readings, essays, and discussions. Those who take this course are required to read the main standard treatises on modern psychology, as well as the most important articles that have appeared in psychological journals in recent years. Three hours attendance. Three hours credit. First semester.

PROFESSOR FRENCH.

- 22. Advanced Psychology**—21 continued. Second semester.

- 23. Psychological Seminary**—A research course for the study of special problems in psychology. Meeting for reports and consultation. Two hours attendance. Two hours credit. First semester.

PROFESSOR BOLTON.

- 24. Psychological Seminary**—23 continued. Second semester.

- 25. Logical Theory**—Deals with the principles of logic in their relation to general philosophical results. Attention is directed to the recent advances in logical theory connected with the names of Lotze, Bradley, Bosanquet, and Sigwart. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR HINMAN.

- 26. Logical Theory**—25 continued. Second semester.

- 27. Special Studies in the History of Philosophy**—Hume and Kant. The first semester is devoted to empiricism, involving a brief study of Locke and Berkeley, followed by a careful examination of Hume's treatise on human nature. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR HINMAN.

- 28. Special Studies in the History of Philosophy**—27 continued. Second semester.

- 29. Seminary in Logic and Metaphysics**—Studies of recent tendencies and current theories in speculative thought. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR HINMAN.

- 30. Seminary in Logic and Metaphysics**—29 continued. Second semester.

- 31. Advanced Ethics**—A critical study of several great ethical treatises is undertaken each year. Two hours attendance. Two hours credit. First semester.

PROFESSOR FRENCH.

32. **Advanced Ethics**—31 continued. Second semester.
33. **Ethical Seminary**—Study of special problems in ethics. Two hours attendance. Two hours credit. First semester.
PROFESSOR FRENCH.
34. **Ethical Seminary**—33 continued. Second semester.
- *5. **Genetic Psychology**—Two hours attendance. Two hours credit. First semester.
PROFESSOR BOLTON.
- *6. **Genetic Psychology**—5 continued. Second semester.
- *5a. **Social Psychology**—Two hours attendance. Two hours credit. First semester.
PROFESSOR FRENCH.
- *6a. **Race Psychology**—Two hours attendance. Two hours credit. Second semester.
PROFESSOR BOLTON.
- *7. **Mental Pathology**—Two hours attendance. Two hours credit. First semester.
PROFESSOR BOLTON.
- *8. **Physiological Psychology**—Two hours attendance. Two hours credit. Second semester.
PROFESSOR BOLTON.
- *9. **Special Studies in Experimental Psychology**—A laboratory course. Three hours attendance. Three hours credit. First semester.
PROFESSOR BOLTON.
- *10. **Special Studies in Experimental Psychology**—9 continued. Second semester.
- *11. **History of Philosophy**—Three hours attendance. Three hours credit. First semester.
ASSISTANT PROFESSOR HINMAN.
- *12. **History of Philosophy**—11 continued. Second semester.
- *14. **Ethics**—An introductory study of the problems of the moral life and the history of ethical thought. Three hours attendance. Three hours credit. Second semester.
PROFESSOR FRENCH.
- *15. **Comparative Study of Religions**—Three hours attendance. Three hours credit. First semester.
ASSISTANT PROFESSOR HINMAN.
- *16. **Philosophy of Religion**—A study of the grounds of religious belief in view of modern science, philosophy, and biblical criticism. Three hours attendance. Three hours credit. Second semester.
PROFESSOR FRENCH

- *18. **Aesthetics**—Two hours attendance. Two hours credit. Second semester. ASSISTANT PROFESSOR HINMAN.
- *19. **Advanced Metaphysics** — Two hours attendance. Two hours credit. First semester. ASSISTANT PROFESSOR HINMAN.
- *20. **Advanced Metaphysics**—19 continued. Second semester.

PHILOSOPHY OF LAW

See department of Jurisprudence and Public Law.

PHYSICS

MASTER OF ARTS

Candidates for the degree of Master of Arts may offer a major and one minor, but are recommended to offer a major only, so that it may be possible to complete an investigation of some one problem.

SECOND MINOR: (*a*) Undergraduate courses 9 and 10, or an equal amount under 13 and 14, and (*b*) one complete course of lectures under courses 17 to 30 below.

FIRST MINOR: Twice the amount under the same courses required for second minor, or *a* and *b* together.

MAJOR: Thesis and a first or second minor in physics, mathematics, chemistry, astronomy and meteorology, or philosophy.

DOCTOR OF PHILOSOPHY

Applicants for the degree of Doctor of Philosophy must have completed at least three years of graduate work and present a thesis on some special topic showing a distinct advance made in the subject. At least three theses must also be presented which may indicate the special conclusions arrived at in the investigation and any problems proposed for future solution.

In addition to the conditions above indicated, two minors from mathematics, chemistry, astronomy, and philosophy are required.

COURSES

PROFESSOR BRACE, ASSISTANT PROFESSOR MOORE, ASSISTANT PROFESSOR SKINNER, ADJUNCT PROFESSOR ALMY

EXPERIMENTAL PHYSICS

13. **Advanced Experimental Physics**—Exact determination of several of the physical constants in mechanics, sound, light, heat, electricity, and magnetism. Fifteen hours laboratory. Five hours credit. First semester. PROFESSOR BRACE.

14. **Advanced Experimental Physics**—13 continued. Second semester.
15. **Investigation of Some Special Problem in Experimental Physics**
—Fifteen hours laboratory. Five hours credit. First semester.
PROFESSOR BRACE.
16. **Investigation of Some Special Problem in Experimental Physics**
—15 continued. Second semester.

THEORETICAL PHYSICS

The course in theoretical physics covers from three to four years of four lectures weekly. The order of courses is subject to change. The nature of the work offered is indicated below. The registration for investigation may be indicated by 17*a*, 18*a*, etc., according to the topic selected.

17. **Dynamics**—Kinematics and dynamics of discrete particles. Conservative and non-conservative systems. Extension of the "principles" of dynamics to the various physical phenomena. Four hours credit. First semester.
PROFESSOR BRACE.
18. **Hydrodynamics**—Theory of fluid motion in two and in three dimensions. Irrotational motion. Motion of a solid. Vortex motion. Waves. Viscosity. Four hours credit. Second semester.
PROFESSOR BRACE.
19. **Theory of Heat**—Analytical theory of the propagation of heat in homogeneous bodies in two and three dimensions and in crystalline media. Cooling of a sphere and cylinder. Four hours attendance. Four hours credit. First semester.
PROFESSOR BRACE.
20. **Thermodynamics**—Mechanical theory of heat. Cyclic processes. Principle of entropy. Thermodynamic potential. Dissociation. Kinetic theory. Thermodynamics and the principles of dynamics. Four hours attendance. Four hours credit. Second semester.
PROFESSOR BRACE.
21. **Theory of Sound**—Theory of small oscillations, of strings, bars, and air columns. Propagation in space. Four hours attendance. Four hours credit. First semester.
PROFESSOR BRACE.
22. **Optics**—Theory of ray systems. Wave theory of light. Four hours attendance. Four hours credit. Second semester.
PROFESSOR BRACE.

23. **Electricity and Magnetism**—Electrostatics and electrokinematics, magnetism, and electrodynamics. Four hours attendance. Four hours credit. First semester. ASSISTANT PROFESSOR SKINNER.
24. **Electro-Optics**—Electric oscillations and the electromagnetic theory of light. Extension to moving bodies. Four hours attendance. Four hours credit. Second semester.
ASSISTANT PROFESSOR SKINNER.
25. **Thermo-Chemistry and Electro-Chemistry**—Three hours attendance. Three hours credit. Second semester.
ASSISTANT PROFESSOR MOORE.
26. **Theory of the Changes of the Physical State and the Chemical Constitution of Bodies**—Two hours attendance. Two hours credit. First semester. ASSISTANT PROFESSOR MOORE.
27. **Theory of the Changes of the Physical State and the Chemical Constitution of Bodies**—26 continued. Second semester
28. **Conduction and Electrolysis in Gases**—Two hours attendance. Two hours credit. First semester.
ASSISTANT PROFESSOR SKINNER.
29. **Thermodynamics**—Inductive development of the principles and laws of thermodynamics from, more especially, the two "fundamental laws." Three hours attendance. Three hours credit. First semester. ADJUNCT PROFESSOR ALMY.
31. **Physical Colloquium** — Graduate and advanced students meet weekly for the presentation of short papers on the progress of their own investigations and of physical science, and for the discussion of the current periodicals. First semester.
PROFESSOR BRACE,
ASSISTANT PROFESSOR MOORE,
ASSISTANT PROFESSOR SKINNER,
ADJUNCT PROFESSOR ALMY.
32. **Physical Colloquium**—31 continued. Second semester.

POLITICAL ECONOMY AND SOCIOLOGY

PROFESSOR TAYLOR, PROFESSOR ROSS, MR. PREVEY,
DOCTOR ARBUTHNOT

REQUIREMENTS**MASTER OF ARTS**

SECOND MINOR: Six hours.

FIRST MINOR: Twelve hours.

MAJOR: Eighteen hours.

The selection of courses is influenced by the special nature of the thesis undertaken and must be approved. More advanced courses are required in the major than in the minors. Both political economy and sociology are required for a second degree in proportion to the needs of the candidate. One who has pursued graduate courses as a part of his undergraduate work is much better prepared to obtain good results in his thesis than if he comes inexperienced in the subject. In the latter case it is difficult to take the degree within the minimum period on account of the research demanded by the thesis. A knowledge of the principles of economics and sociology is a condition precedent to undertaking research.

COURSES

The following courses are primarily for graduates. On approval, credit is given to graduates for courses mentioned in the bulletin of the undergraduate colleges.

2. **Advanced Political Economy**—Text book. The latest theories of value and distribution broadly combined with the results of organic and social researches. Three hours attendance. Three hours credit. Second semester. DOCTOR ARBUTHNOT.

- [4. **Advanced Political Economy**—Second course. Text-book on capital. Discussion in current economic literature. Two hours attendance. Two hours credit. Second semester.

PROFESSOR TAYLOR.]

Not offered in 1904-1905. Offered in 1905-1906.

5. **Corporations**—Their rise, early history, and recent development. Lectures, readings, and reports. Two hours attendance. Two hours credit. First semester. DOCTOR ARBUTHNOT.

- [8. **Public Finance**—Text and discussions. Special attention given to the problems of state and local taxation in America. Three hours attendance. Three hours credit. Second semester.

PROFESSOR ROSS.]

Not given in 1904-1905. Given in 1905-1906.

10. **History of Economics**—Three hours attendance. Three hours credit. First semester.

MR. PREVEY.

11. **Crises**—Lectures on the crisis of 1893 and the theory of crises. Readings and reports. One hour attendance. One hour credit. First semester. Continued in the second semester as course 32.

PROFESSOR TAYLOR.

12. **Crises**—11 continued. Second semester.

19. **Seminary**—Open to graduates and to a limited number of other advanced students. Course 11 should be taken in connection with this course. Three hours attendance. Three hours credit. First semester.

PROFESSOR TAYLOR.

20. **Seminary**—19 continued. Second semester.

22. **Socialism**—Examination of the works of some of the leading socialists. Lectures and readings. Three hours attendance. Three hours credit. Second semester.

MR. PREVEY.

24. **Labor Problems**—Three hours. Second semester.

DOCTOR ARBUTHNOT.

32. **Advanced Sociology**—Lectures and text. Presupposes course 31, although this requirement will be waived in special cases. Three hours attendance. Three hours credit. Second semester.

PROFESSOR ROSS.

- [34. **The Psychology of Society**—The laws of mob-mind, "craze," "fad," fashion, conventionality, custom, "standard of comfort," "spirit of the age," public opinion, etc. Studies of invention, innovation, leadership, the influence of great men. Three hours attendance. Three hours credit. For simple attendance, one hour credit. Second semester.

PROFESSOR ROSS.]

Not given in 1904-1905. Given in 1905-1906.

- [35. **Seminary in Colonies and Colonization**—Synthetic course dealing with the problems of economics, sociology, finance, and

government presented by the over-sea colony. Special attention to the colonial problems of the United States. One two-hour session a week. Two hours credit. First semester.

PROFESSOR ROSS.]

Not given in 1904-1905. Given in 1905-1906.

36. **Seminary in Cities**—Growth, location, structure, and economic basis. Comparison of city with country in respect to race, sex, age, birth rate, marriage, divorce, longevity, pauperism, education, moral character, and political traits. One two-hour session a week. Two hours credit. Second semester. PROFESSOR ROSS.

37. **Seminary** — The dynamics of population. Study of the factors which influence the quantity and quality of population. For graduates only. One two-hour session a week. Two hours credit. First semester. PROFESSOR ROSS.

RHETORIC

REQUIREMENTS

Rhetorical theory and literary construction.

All majors presuppose the undergraduate method courses in construction and interpretation. In addition to the seminary and other class subjects provided below, special problems in investigation are assigned to students prepared to work independently under guidance

COURSES

ASSOCIATE PROFESSOR FOGG, ASSOCIATE PROFESSOR FRYE,
MR. SHEDD

Admission to any of these courses is by consent of the instructor in charge.

[*9. **Composition**—Advanced course. Studies in rhetorical theory. Two hours attendance. Two hours credit. First semester.

ASSOCIATE PROFESSOR FRYE.]

Not given in 1904-1905. Given in 1905-1906.

[*10. **Composition**—9 continued. Second semester.]

[*11. **The Essay**—Advanced course in composition. This course is based on the study of masterpieces of the didactic essay (scientific exposition) and of the personal essay. Lectures, frequent themes, personal guidance. Two hours attendance. Two hours credit. First semester.

ASSOCIATE PROFESSOR FOGG.]

Not given in 1904-1905. Given in 1905-1906.

[*12. **The Essay**—11 continued. Second semester.]

- *13. **Argumentative Composition**—Advanced course in composition. This course, introduced by a study of scientific exposition, gives practical training in the principles underlying both written and oral argumentation. Lectures, briefs, forensics, personal conferences. Admission by consent of the instructor. Two hours attendance. Three hours credit. First semester.

ASSOCIATE PROFESSOR FOGG AND ASSISTANTS.

- *14. **Argumentative Composition**—13 continued. Second semester.
- *15. **Debate**—Introductory course. Systematic training in the principles and practice of oral discussion. Scientific investigation of current questions. Lectures, briefs, forensics, personal conferences. Criticism of matter, literary form and delivery. Open ordinarily only to those who have taken at least the first semester of course 13, 14 or its equivalent, but to others with the consent of the instructor. Two hours attendance. Three hours credit. First semester. ASSOCIATE PROFESSOR FOGG and professors representing the departments in which the questions debated mainly lie.
- *16. **Debate**—15 continued. Open to those who have had course 13 or course 14 and to others with the consent of the instructor. Second semester.
- *17. **Debate**—Advanced course. Open to those who have taken 15 or 16 and to others with the consent of the instructor. Membership in this course is limited to twenty. Two hours attendance. Three hours credit. First semester. ASSOCIATE PROFESSOR FOGG and professors representing the departments in which the questions debated mainly lie.
- *18. **Debate**—17 continued. Admission by consent of the instructor. Second semester.
- *19. **Public Address (Exclusive of Debate)**—By special emphasis on persuasion and literary style, this course and 20 supplement the training given by the courses in argumentative composition and debate. Lectures on, and class-room study of, masterpieces of representative English and American orators—Burke, Erskine, Webster, Lincoln, Curtis, Phillips. Practice in composing the deliberative (argumentative) oration, the eulogy, the commemo-

rative address, etc. Each member reads before the class during the year one or two of his addresses. To have taken, or to be taking, course 13 is advantageous but not requisite. Two hours attendance. Three hours credit. First semester.

ASSOCIATE PROFESSOR FOGG.

*20. **Public Address (Exclusive of Debate)**—19 continued. Second semester.

*22. **Debate**—Advanced course. Membership in this course is limited to twenty. Three or four hours credit. Second semester.

ASSOCIATE PROFESSOR FOGG.

*29. **The Short Story**—Two hours attendance. Three hours credit. First semester.

MR. SHEDD.

*30. **The Short Story**—29 continued. Second semester.

ROMAN HISTORY AND LITERATURE

REQUIREMENTS

MASTER OF ARTS

Candidates for advanced degrees must have completed courses 1, 2, 3, and 4 or their equivalents. Graduate study should include courses 5, 6, 11, and 12, after which subjects may be selected from any courses open to graduates. The basis of requirement is as follows:

SECOND MINOR: Three hours' class-room work for one year.

FIRST MINOR: Six hours' class-room work for one year.

MAJOR: Six hours' class-room work and the equivalent of four hours in the preparation of a thesis.

COMPLETE COURSE: Nine hours' class-room work and the equivalent of six hours in the preparation of a thesis.

Theses may be on any of the following subjects: The satirists, the Roman drama, elegiac poetry, poetry of the empire, prose of the empire, sermo plebeius, patristic literature. By special arrangement, a thesis may be prepared on some question of syntax covering the whole literature.

COURSES

PROFESSOR BARBER, ASSOCIATE PROFESSOR JOHNSON

Courses 5, 6, 7, 8, 9, and 10, in the bulletin of the undergraduate colleges, are also open to graduate students.

- [19. **Lucretius**—Books I and III, with an examination into the model uses in the remaining books. Two hours attendance. Two hours credit. First semester. PROFESSOR BARBER.]
Not given in 1904-1905. Given in 1905-1906:
- [20. **Cicero**—De Oratore, Book I, with an examination into the model uses in Cicero's essays. Two hours attendance. Two hours credit. Second semester. PROFESSOR BARBER.]
Not given in 1904-1905. Given in 1905-1906.
21. **Latin Words with their English Cognates and Derivatives and Greek Cognates**—Open to students who have had some Greek. One hour attendance. One hour credit. First semester.
ASSOCIATE PROFESSOR JOHNSON.
22. **Latin Grammar**—An elementary course in the comparative grammar of the Latin and Greek languages. One hour attendance. One hour credit. Second semester.
ASSOCIATE PROFESSOR JOHNSON.
23. **Latin Paleography**—Introduction to the study of criticism. One hour attendance. One hour credit. First semester.
ASSOCIATE PROFESSOR JOHNSON.
Given in 1904-1905 and alternate years.
24. **Roman Epigraphy**—Study of select inscriptions. One hour attendance. One hour credit. Second semester.
ASSOCIATE PROFESSOR JOHNSON.
Given in 1904-1905 and alternate years.
25. **Seminary**—Special study of the syntax of the verb. Topics are assigned to students to investigate through the whole range of the literature. Two hours attendance. Two hours credit. First semester. PROFESSOR BARBER.
26. **Seminary**—25 continued. Second semester.
- [27. **Critical Study of Selected Passages from Vergil**—One hour attendance. One hour credit. First semester.
ASSOCIATE PROFESSOR JOHNSON.]
Not given in 1904-1905. Given in 1905-1906 and alternate years.
- [28. **Critical Study of Select Odes of Horace**—One hour attendance. One hour credit. Second semester.
ASSOCIATE PROFESSOR JOHNSON.]
Not given in 1904-1905. Given in 1905-1906 and alternate years.

29. **Review of the Current Literature of Latin Philology** — With reports by members of the class. One hour attendance. One hour credit. First semester. ASSOCIATE PROFESSOR JOHNSON.
Given in 1904-1905 and alternate years.
30. **Review of the Current Literature of Latin Philology** — 29 continued. Second semester.
31. **The Elegiac Poets**—Selections from Catullus and Tibullus. Lectures on the history of Roman elegiac poetry. Two hours attendance. Two hours credit. First semester.
ASSOCIATE PROFESSOR JOHNSON.
Given in 1904-1905 and alternate years.
32. **The Elegiac Poets**—Selections from Propertius and Ovid. Lectures. Two hours attendance. Two hours credit. Second semester.
ASSOCIATE PROFESSOR JOHNSON.
Given in 1904-1905 and alternate years.
33. **Cena Trimalchionis**—This social novel studied with reference to the Romance languages, but especially to the popular speech (*sermo plebeius*). One hour attendance. One hour credit. First semester.
ASSOCIATE PROFESSOR JOHNSON.
Given in 1904-1905 and alternate years.
34. **Cena Trimalchionis**—33 continued. Second semester.
35. **Roman Mythology**—Lectures and investigations. One hour attendance. One hour credit. First semester. PROFESSOR BARBER.
Given in 1904-1905 and alternate years.
36. **Roman Mythology**—35 continued. Second semester.
- *45. **The Personal and National Characteristics of the Roman People**—Lectures, and papers by the students. One hour attendance. One hour credit. First semester. PROFESSOR BARBER.
- *46. **The Personal and National Characteristics of the Roman People**—45 continued. Second semester.
- *11. **Composition** — Practice in connected Latin writing. One hour attendance. One hour credit. First semester.
ASSOCIATE PROFESSOR JOHNSON.
- *12. **Composition**—11 continued. Second semester.

- *13. **Latin Grammar**—An elementary course in the historical development of the Latin moods. Lectures. One hour attendance. One hour credit. First semester. PROFESSOR BARBER.
- *14. **Latin Grammar**—13 continued. Second semester.
- [*15. **Plautus and Terence**—Two hours attendance. Two hours credit. First semester. ASSOCIATE PROFESSOR JOHNSON.]
Not given in 1904-1905. Given in 1905-1906 and alternate years.
- [*16. **Cicero's Philosophy**—Two hours attendance. Two hours credit. Second semester. ASSOCIATE PROFESSOR JOHNSON.]
Not given in 1904-1905. Given in 1905-1906 and alternate years.
- [*17. **Lectures on the History of Roman Literature**—Two hours attendance. Two hours credit. First semester. ASSOCIATE PROFESSOR JOHNSON.]
Not given in 1904-1905. Given in 1905-1906 and alternate years.
- *18. **Lectures on the History of Roman Literature**—17 continued. Second semester.

ROMANCE LANGUAGES AND LITERATURES

REQUIREMENTS

MASTER OF ARTS

For graduate study in Romance languages at least two years of French are necessary. For the courses in the following groups equivalents are accepted.

PHILOLOGICAL GROUP

SECOND MINOR: Old French, historical French grammar, Italian, or Spanish.

FIRST MINOR: Requirements for second minor and further study of Old French and of Italian or Spanish.

MAJOR: Old French, historical French grammar, Italian, and Spanish, advanced course in either Italian or Spanish, Provençal, Romance phonetics.

LITERARY GROUP

SECOND MINOR: Studies of different periods in French literature, Italian or Spanish.

FIRST MINOR: Studies of different periods in French literature, Italian, and Spanish, or advanced course in Italian or Spanish; Old French.

MAJOR: French writing and speaking (11 and 12), studies of different periods in French literature; Italian and Spanish, advanced course in either Italian or Spanish; Old French, historical French grammar; special readings.

COURSES

PROFESSOR CONKLIN, MISS KORSMEYER

FRENCH

27. **Old French**—Grammar and reading. Two hours attendance. Two hours credit. First semester. PROFESSOR CONKLIN.
28. **Old French**—27 continued. Second semester.
29. **French Philology**—Historical French grammar, phonetical analysis of French words. One hour attendance. One hour credit. First semester. PROFESSOR CONKLIN.
30. **French Philology**—29 continued. Second semester.
- *7. **Literature of the Seventeenth and the Eighteenth Centuries**
Three hours attendance. Three hours credit. First semester.
MISS KORSMEYER.
- *8. **Literature of the Seventeenth and the Eighteenth Centuries**—7 continued. Second semester.
- *9. **Critical Study of Nineteenth Century Literature**—Two hours attendance. Two hours credit. First semester.
PROFESSOR CONKLIN.
- *10. **Critical Study of Nineteenth Century Literature**—9 continued. Second semester.
- *11. **French Writing and Speaking**—Three hours attendance. Three hours credit. First semester. PROFESSOR CONKLIN.
- *12. **French Writing and Speaking**—11 continued. Second semester.
- *13. **French Writing and Speaking** (advanced course)—Two hours attendance. Two hours credit. First semester.
- *14. **French Writing and Speaking** (advanced course)—13 continued. Second semester.
- *15. **Studies of Different Periods in French Literature**—Must be preceded by 7, 8, 9, 10, or equivalent work. Two hours attendance. Two hours credit. First semester.
- *16. **Studies of Different Periods in French Literature**—15 continued. Second semester.

ITALIAN

- *19. **Italian**—Introductory course. Three hours attendance. Three hours credit. First semester. MISS KORSMEYER.
- *20. **Italian**—19 continued. Second semester.
- *21. **Italian**—Second-year course. Dante's *Inferno*. Two hours attendance. Two hours credit. First semester.
- *22. **Italian**—21 continued. Second semester.

SPANISH

- *23. **Spanish**—Introductory course. Three hours attendance. Three hours credit. First semester. PROFESSOR CONKLIN.
- *24. **Spanish**—23 continued. Second semester.
- *25. **Spanish**—Second-year course. Two hours attendance. Two hours credit. First semester.
- *26. **Spanish**—25 continued. Second semester.

PROVENÇAL

33. **Grammar, Reading, and Analysis**—One hour attendance. One hour credit. First semester. PROFESSOR CONKLIN.
34. **Provençal Literature as Above**—Second semester.

ROMANCE PHONETICS

35. **Comparative Phonetics of Italian, Spanish, French, and Provençal**—Lectures. One hour attendance. One hour credit. First semester. PROFESSOR CONKLIN.
36. **Comparative Phonetics of Italian, Spanish, French, and Provençal**—35 continued. Second semester.

ZOOLOGY

REQUIREMENTS

MASTER OF ARTS

For the degree of Master of Arts two years of undergraduate work in zoology and one in botany are required. Ability to read German and French is a necessity.

All graduates who offer zoology as a major or minor for an advanced degree find it to their advantage to confer with the head of the department as early as April the previous year. The courses required for a degree cannot be stated absolutely for all students. They differ, especially in the case of candidates whose undergraduate work has been taken at other institutions. Courses must, in any event, be chosen under advice of the head of the department. Active participation in the work of the Journal Club (courses 23, 24) for at least one full year is required of all who present themselves for advanced degrees. Ordinarily the requirements are as follows:

SECOND MINOR: Any three-hour course throughout the year, together with a one-hour course of assigned reading.

FIRST MINOR: A total of six hours throughout the year, together with a two-hour course in assigned reading.

MAJOR: The study of the local fauna, of parasites, or of animal morphology--a total of twelve hours' work throughout the year, including a thesis and accompanied by a three-hour course in assigned reading.

COMPLETE COURSE: The time is spent on the study of the local fauna, of parasites, or of the morphology of any animal, together with a thesis and one course of assigned reading. In this case the topic assigned for the thesis is proportionally greater and requires more work than in the preceding case.

DOCTOR OF PHILOSOPHY

When zoology is chosen as a minor for the degree of Doctor of Philosophy, the work demanded approximates that of the complete course for the degree of Master of Arts. The growth of the department in equipment, especially as regards the library facilities, within the last few years, makes it possible to offer work in certain directions for this degree with zoology as a major. Particular information is furnished on consultation with the head of the department.

The Zoological Club of the University is an organization of graduate students which meets weekly under the leadership of the head of the department for the discussion of specific problems and topics assigned to various members.

COURSES

PROFESSOR WARD, ASSOCIATE PROFESSOR WOLCOTT, ADJUNCT
PROFESSOR WILLARD, ADJUNCT PROFESSOR LILLIE

15. **Study of Some Phase of the Local Fauna**—May be elected as a five- to ten-hour study. First semester. PROFESSOR WARD.
16. **Study of Some Phase of the Local Fauna**—15 continued. Second semester.
17. **Study of Animal Parasites**—May be elected as a five- to ten-hour study. First semester. PROFESSOR WARD.
18. **Study of Animal Parasites**—17 continued. Second semester.
19. **Original Work in Animal Morphology**—May be elected as a five- to ten-hour study. First semester. PROFESSOR WARD.
20. **Original Work in Animal Morphology**—19 continued. Second semester.
22. **The History of Zoology**—Open only to students having had at least two years work in zoology. Two hours attendance. Two hours credit. Second semester. PROFESSOR WARD.
23. **Current Literature on Animal Morphology**—Reviews and discussions of recent publications bearing upon some field of investigation. One hour attendance. One hour credit. First semester. PROFESSOR WARD.
24. **Current Literature on Animal Morphology**—23 continued. Second semester.
- *5. **Invertebrate Morphology**—Three hours attendance. Eight hours laboratory. Four hours credit. First semester.
ADJUNCT PROFESSOR WILLARD.
- *6. **Invertebrate Morphology**—Four hours attendance. Eight hours laboratory. Four hours credit. Second semester.
- *8. **Comparative Anatomy of the Vertebrates**—Four hours attendance. Eight hours laboratory. Four hours credit. Second semester.
ADJUNCT PROFESSOR WILLARD.
- *8a. **Comparative Osteology of the Vertebrates**—Two hours attendance. Three hours laboratory. Two hours credit. Second semester.
ASSOCIATE PROFESSOR WOLCOTT.

- *9. **Normal Histology**—Two hours attendance. Three hours credit.
First semester. ADJUNCT PROFESSORS WILLARD AND LILLIE.
- *10. **Vertebrate Embryology**—Three hours attendance. Three hours credit. Second semester.
ADJUNCT PROFESSORS WILLARD AND LILLIE.
- *11. **Mammalian Anatomy**—Three hours attendance. Three hours credit. First semester. ASSOCIATE PROFESSOR WOLCOTT.
- *12. **Mammalian Anatomy**—11 continued. Second semester.
- *13. **Structure of the Central Nervous System**—Two hours attendance. Three hours laboratory. Two hours credit. First semester.
ADJUNCT PROFESSOR WILLARD.
- *14. **Structure of the Central Nervous System**—13 continued. Second semester.
- [*25. **The Anatomy and Physiology of the Cell** — Two hours attendance. Four hours laboratory. Two hours credit. First semester.
ADJUNCT PROFESSOR LILLIE.]
Not given in 1904-1905.
- *26. **Histological Methods**—Two hours attendance. Two hours credit. Second semester. ADJUNCT PROFESSOR LILLIE.

THE COLLEGE OF LITERATURE,
SCIENCE AND THE ARTS
THE INDUSTRIAL COLLEGE

THE FACULTY OF THE COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

ELISHA BENJAMIN ANDREWS, LL. D.
Chancellor and President of the University Senate
University Hall 102

ELLERY WILLIAMS DAVIS, PH. D.
Dean of the College of Literature, Science and the Arts,
and Professor of Mathematics
University Hall 104

GROVE ETTINGER BARBER, A.M.
Professor of Roman History and Literature
University Hall 205

HENRY HUDSON NICHOLSON, A. M.
Professor of Chemistry and Director of the Chemical Laboratories
Chemical Laboratory

LUCIUS ADELNO SHERMAN, PH.D.
Professor of the English Language and Literature
Library Hall 311

CHARLES EDWIN BESSEY, LL. D.
Professor of Botany
Nebraska Hall 110

DE WITT BRISTOL BRACE, PH.D.
Professor of Physics
Nebraska Hall 301

JAMES THOMAS LEES, PH.D.
Professor of Greek History and Literature
University Hall 214

HOWARD WALTER CALDWELL, A.M.
Professor of American History and Politics
University Hall 209

ERWIN HINCKLEY BARBOUR, PH.D.
Professor of Geology and Acting State Geologist, and
Curator of the State Museum.
Nebraska Hall 203

THE UNIVERSITY OF NEBRASKA

FRED MORROW FLING, PH.D.

Professor of European History

Library Hall 308

LAURENCE FOSSLER, A. M.

Professor of the Germanic Languages and Literatures

University Hall 109

HENRY BALDWIN WARD, PH.D.

Professor of Zoology

Nebraska Hall 204

GEORGE WASHINGTON ANDREW LUCKEY, PH.D.

Professor of Education

University Hall 210

WILLIAM GEORGE LANGWORTHY TAYLOR, A.B., LL.B.

Professor of Political Economy and Public Finance

Library Hall 301

THOMAS LYTTLETON LYON, PH.D.

Professor of Agriculture

Experiment Station Hall

EDWARD ALSWORTH ROSS, PH.D.

Professor of Sociology

University Hall 206

RAYMOND GUSTAVUS CLAPP, M.D.

Professor of Physical Education

Grant Hall

JAMES INGERSOLL WYER, B.L.S.

Librarian and Professor of Bibliography

Library Hall

WILSON CHASE, U. S. Army

Professor of Military Science and Tactics

Grant Hall

WALTER WHEELER COOK, A.M., LL.M.

Professor of Law

University Hall 208

FERDINAND COURTNEY FRENCH, PH.D.

Professor of Philosophy

Library Hall 110

ROSCOE POUND, PH.D.

Professor of Jurisprudence and Public Law

University Hall 307

THADDEUS LINCOLN BOLTON, PH.D.

Professor of Psychology

Library Hall 110

CLARA CONKLIN, A.M.

Professor of Romance Languages

University Hall 301

THE FACULTY OF THE INDUSTRIAL COLLEGE

ELISHA BENJAMIN ANDREWS, LL.D.

Chancellor and President of the University Senate

University Hall 102

CHARLES EDWIN BESSEY, LL. D.

Dean of the Industrial College, and Professor of Botany

University Hall 104

EDGAR ALBERT BURNETT, B.Sc.

Associate Dean of the Industrial College, in Charge of all Agricultural
Instruction and Work, and Professor of Animal Husbandry

Experiment Station Hall

HENRY HUDSON NICHOLSON, A.M.

Professor of Chemistry and Director of the Chemical Laboratories

Chemical Laboratory

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University Hall 209

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Professor of Geology, Acting State Geologist, and Curator
of the State Museum

Nebraska Hall 203

ELLERY WILLIAMS DAVIS, PH.D.

Professor of Mathematics

Mechanic Arts Hall 302

LAWRENCE BRUNER, B.Sc.
Professor of Entomology and Ornithology
Mechanic Arts Hall 104

GOODWIN DELOSS SWEZEY, A.M.
Professor of Astronomy and Meteorology
Observatory

HENRY BALDWIN WARD, Ph.D.
Professor of Zoology
Nebraska Hall 204

WILLIAM GEORGE LANGWORTHY TAYLOR, A.B., LL.B.
Professor of Political Economy and Public Finance
Library Hall 301

CHARLES RUSS RICHARDS, M.E., M.M.E.
Professor of Mechanical Engineering and Practical Mechanics
Mechanic Arts Hall 203

OSCAR VAN PELT STOUT, C.E.
Professor of Civil Engineering
Mechanic Arts Hall 205

THOMAS LYTTLETON LYON, Ph.D.
Professor of Agriculture
Experiment Station Hall

ALBERT EUGENE DAVISSON, A.B.
Professor of Economics in the School of Agriculture
Experiment Station Hall

EDWARD ALSWORTH ROSS, Ph.D.
Professor of Sociology
University Hall 206

SAMUEL AVERY, Ph.D.
Professor of Agricultural Chemistry
Experiment Station Hall

RAYMOND GUSTAVUS CLAPP, M.D.
Professor of Physical Education
Grant Hall

JAMES INGERSOLL WYER, B.L.S.
Librarian and Professor of Bibliography
Library Hall

THE UNIVERSITY OF NEBRASKA

WILSON CHASE, U. S. ARMY,
Professor of Military Science and Tactics

Grant Hall

FERDINAND COURTNEY FRENCH, PH.D.

Professor of Philosophy

Library Hall 110

GEORGE HART MORSE, B.E.E.

Professor of Electrical Engineering

Mechanic Arts Hall 208

HOWARD REMUS SMITH, B.Sc.

Professor of Animal Husbandry

Experiment Station Hall

FRANCIS GARNER MILLER, B.Ph., M.F.

Professor of Forestry

Nebraska Hall, 110

ROLLINS ADAMS EMERSON, B.Sc.

Associate Professor of Horticulture, in Charge of the Department

Experiment Station Hall

ARCHIBALD LOUIS HAECKER, B.Sc.A.

Associate Professor of Dairy Husbandry, in Charge of the Department

Dairy Hall

OFFICERS OF INSTRUCTION—BOTH COLLEGES

FRANK MACKOY JOHNSON, PH.D.

Associate Professor of Roman History and Literature

University Hall 203

PAUL HENRY GRUMMANN, A.M.

Associate Professor of the Germanic Languages

University Hall 111

ROBERT HENRY WOLCOTT, A.M., M.D.

Associate Professor of Zoology and Demonstrator in Anatomy

Nebraska Hall 204

MILLER MOORE FOGG, A.M.

Associate Professor of Rhetoric

University Hall 311

PROSSER HALL FRYE, A.B.

Associate Professor of Rhetoric

Mechanic Arts Hall 207

WILLIAM FRANCIS DANN, A.M.

Assistant Professor of Greek History and Literature

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EDGAR LENDERSON HINMAN, PH.D.

Assistant Professor of Philosophy

Library Hall 110

GUERNSEY JONES, PH.D.

Assistant Professor of European History

Library Hall 307

BURTON EVANS MOORE, A.M.

Assistant Professor of Physics

Nebraska Hall 309

ALBERT LUTHER CANDY, PH.D.

Assistant Professor of Mathematics

Mechanic Arts Hall 304

GEORGE RICHARD CHATBURN, A.M.

Assistant Professor of Mathematics and Civil Engineering

Mechanic Arts Hall 102

FREDERIC EDWARD CLEMENTS, PH.D.

Assistant Professor of Botany

Nebraska Hall 102

BENTON DALES, PH. D.

Assistant Professor of Chemistry

Chemical Laboratory

ROBERT EDOUARD MORITZ, PH.D.

Assistant Professor of Mathematics

Mechanic Arts Hall 306

CLARENCE AURELIUS SKINNER, PH.D.

Assistant Professor of Physics

Nebraska Hall 302

HERBERT HAROLD WAITE, A.M., M.D.

Assistant Professor of Bacteriology and Pathology

University Hall A

THE UNIVERSITY OF NEBRASKA

GEORGE EVERT CONDRA, PH.D.

Assistant Professor of Geology

Nebraska Hall 203

MELVIN PRICE, E.E.

Assistant Professor of Mechanical Drawing and Machine Design

Mechanic Arts Hall 308

ROSA BOUTON, A.M.

Adjunct Professor of Chemistry and Director of the School of
Domestic Science

Chemical Laboratory

ANNE BARR-CLAPP

Adjunct Professor of Physical Education and Director of the
Women's Gymnasium

Memorial Hall

LOUISE POUND, PH.D.

Adjunct Professor of English Language and Literature

Library Hall 311

JOHN EDWIN ALMY, PH.D.

Adjunct Professor of Physics

Nebraska Hall 305

FREDERICK AMES STUFF, A.M.

Adjunct Professor of English Language and Literature

Library Hall 311

CARL CHRISTIAN ENGBERG, PH.D.

Adjunct Professor of Mathematics

Mechanic Arts Hall 302

FREDERICK DE FOREST HEALD, PH.D.

Adjunct Professor of Plant Physiology

Nebraska Hall 102

AMANDA HENRIETTA HEPPNER, A.M.

Adjunct Professor of the Germanic Languages

University Hall 110

RALPH STAYNER LILLIE, PH.D.

Adjunct Professor of Physiology

Nebraska Hall 204

CLARK EDMUND PERSINGER, A.M.
Adjunct Professor of American History and Politics
University Hall 209

FRANK WEBSTER SMITH, A.M.
Adjunct Professor of Education
University Hall 210

WILLIAM ALBERT WILLARD, A.M.
Adjunct Professor of Zoology
Nebraska Hall 205

HERBERT SILAS EVANS, E.E.
Adjunct Professor of Electrical Engineering
Mechanic Arts Hall 208

GEORGE ANDREW LOVELAND, LL.B., B.Sc.
Instructor in Astronomy and Meteorology
Nebraska Hall 104

CARRIE BELLE RAYMOND
University Organist and Chorus Trainer
University Hall 106

EDWIN FORD PIPER, A.M.
Instructor in Rhetoric

MAY CHAMBERLAIN, A.M.
Instructor in the Germanic Languages
University Hall 109

MARY LOUISE FOSSLER, A.M.
Instructor in Chemistry
Chemical Laboratory

HARRIET ALICE HOWELL, B.Ph.
Instructor in Elocution
University Hall 106

ANNETTE ELIZABETH PHILBRICK, B.Sc.
Instructor in Domestic Science
Mechanic Arts Hall 105

WILLIAM WARD VOTAW
Instructor in Mechanical Engineering
Mechanic Arts Hall

JULIA KORSMEYER, A.M.
Instructor in Romance Languages
University Hall 302

THE UNIVERSITY OF NEBRASKA

WALTER SCOTT PAYNE

Instructor in Foundry and Machine Shops

Mechanic Arts Hall Annex

GEORGE CLIFFORD SHEDD, A.B.

Instructor in Rhetoric

University Hall 312

COMADORE EDWARD PREVEY, A.M.

Instructor in Sociology

Library Hall 301

CHARLES LEE DEAN

Instructor in Mechanical Engineering

Mechanic Arts Hall 203

LAURA DANA PUFFER, A.M.

Instructor in Mathematics

Mechanic Arts Hall 302

FRANKLIN DAVIS BARKER, A.M.

Instructor in Zoology

Nebraska Hall 204

JOHN FREDERIK BROWN, B.Sc.

Instructor in Mechanical Engineering

Mechanic Arts Hall

ALBERT JACOBSON, B.S.

Instructor in Chemistry

Chemical Laboratory

FRED DORMANN, B.Sc.

Instructor in Mechanical Drawing

Mechanic Arts Hall 308

LAURA BELLE PFEIFFER, A.B.

Instructor in European History

Library Hall 308

CHARLES WILLIAM WALLACE, A.B.

Instructor in the English Language and Literature

Library Hall 311

LEON EMMONS AYLSWORTH, A.B.

Instructor in American History and Politics

University Hall 209

FRANCES BROWN TAYLOR, A.M.

Lecturer in Political Economy and Public Finance

Library Hall 301

THE COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

THE INDUSTRIAL COLLEGE

GENERAL INFORMATION

ADMISSION

The College of Literature, Science and the Arts, offers undergraduate courses leading to the degree of Bachelor of Arts. The Industrial College offers courses leading to the degree of Bachelor of Science, Bachelor of Science in Civil Engineering, Bachelor of Science in Electrical Engineering, Bachelor of Science in Mechanical Engineering, Bachelor of Science in Agriculture, and Bachelor of Science in Forestry.

Candidates are admitted by examination or on certificate from accredited schools, academies, or colleges.

Although properly prepared students, who cannot enter at the beginning of the year, may be admitted later, all students who can possibly do so are urged to be present at the beginning of the year. Students entering late are at much disadvantage.

Applicants for admission present themselves to the registrar, who furnishes them with application blanks and directions for proceeding with their examinations, if any, with fee payments, and registration.

An applicant presenting a certificate from an accredited high school, academy, or college, is, without examination, admitted to any classes for which he is fully prepared. Any

candidate for admission bringing credentials from a high school, college, or university not included in the list of schools accredited to this University, must, upon making application, present his credentials to the registrar and be prepared to take such examinations as are prescribed.

REQUIREMENTS FOR ADMISSION

For admission to the freshman class in either the College of Literature, Science and the Arts, or the Industrial College, the candidate must present entrance "credits" equal to 28 "points," that is, a total of 140 recitation or "credit" hours. Conditional admission is permitted on a minimum of 20 "points," that is, 100 hours.

A "credit point" means the work of five recitations a week, of not less than forty minutes each, for at least eighteen weeks. The requirements in detail are given below. The time element indicated with each subject is essential.

TO THE COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

REQUIRED SUBJECTS—17 Points

Algebra (simultaneous quadratics), 1 year, 5 hours a week.....	2
English composition. 2 years, 5 hours a week.....	4
Geometry (plane and solid), 1½ years, 5 hours a week	3
History (Greek and Roman or American), 1 year, 5 hours a week,	2
Language (Latin 2 years at least), 3 years, 5 hours a week.....	6

OPTIONAL SUBJECTS—11 Points

In addition to these required subjects, for which no substitutes are accepted, applicants must present eleven points from the following optional subjects:

Algebra (simultaneous quadratics through logarithms). ½ year, 5 hours a week.....	1
English Composition, 1 year, 5 hours a week	2
French, 2 or 3 years, 5 hours a week.....	4 or 6

German, 2 or 3 years, 5 hours a week.....	4 or 6	
Greek, 2 or 3 years, 5 hours a week.....	4 or 6	
History, 2 years, 5 hours a week.....	4	
Latin, 1 or 2 years, 5 hours a week.....	2 or 4	
Natural Science (botany, zoology), 1 year, 5 hours a week.....	2	
Physical Science (chemistry, physics), 1 year, 5 hours a week....	2	
Trigonometry (plane), $\frac{1}{2}$ year, 5 hours a week.....	1	
Astronomy	} Not more than 3 accepted, each.....	1
Civics		
Geology		
Physical geography		
Physiology and hygiene		
Political economy		

TO THE INDUSTRIAL COLLEGE

REQUIRED SUBJECTS—17 Points

Algebra (through logarithms), $1\frac{1}{2}$ years, 5 hours a week.....	3
English composition, 2 years, 5 hours a week.....	4
Geometry (plane and solid), $1\frac{1}{2}$ years, 5 hours a week....	3
Language (French, German, Greek, Latin. Not more than 2 of these subjects), 2 years, 5 hours a week.....	4
Natural Science (botany, zoology), $\frac{1}{2}$ year, 5 hours a week.....	1
Physical Science (chemistry, physics), 1 year, 5 hours a week. ..	2

OPTIONAL SUBJECTS—11 Points

In addition to these required subjects, for which no substitutes are accepted, applicants must present eleven points from the following optional subjects :

English composition, 1 year, 5 hours a week.....	2	
History (general or American), 3 years, 5 hours a week.....	6	
Language (ancient or modern), 3 years, 5 hours a week	6	
Manual Training, 1 year, 5 hours a week.....	2	
Mechanical Drawing, $\frac{1}{2}$ year, 5 hours a week.....	1	
Natural Science (botany, zoology), 1 year, 5 hours a week.....	2	
Physical Science (chemistry, physics), 1 year, 5 hours a week ...	2	
Trigonometry (plane), $\frac{1}{2}$ year, 5 hours a week.....	1	
Astronomy	} Not more than 3 points accepted, each,	1
Civics		
Geology		
Physical geography		
Physiology and hygiene		
Political economy		

ADVANCED STANDING

Candidates from other universities, or from colleges whose requirements for admission and for graduation are equal to those of this University, are, on presenting to the registrar certified statements of their standing therein, admitted to the same standing in this University; but such alien credit can, in no case, extend to more than three-fourths of the credits required for graduation from the University.

Candidates from colleges whose requirements for admission are not equal to those of this University receive proportionally less credit, but are given reasonable opportunity to make up the work wherein they are deficient.

Holders of diplomas from scientific, engineering, agricultural, and other colleges whose undergraduate work is based upon much lower preparation than that required in this University are given full credit for that part of their work found preparatory to the courses which they wish to enter here. They receive three-fourths credit for any other college work covered by the records which they present. A candidate may, at his option, waive the three-fourths credit thus allowed and take examinations for full credit.

In all cases, not herein specified, the candidate to receive credit for his best work, is required to pass an examination.

UNCLASSED STUDENTS

Any person of suitable age, not a candidate for a degree, who wishes to pursue special lines of study, is admitted as an unclassified student.

Regular students of the School of Fine Arts, and of the University School of Music, and teachers are admitted as

unclassified students. Such candidates are required to offer satisfactory proof that they are prepared to do the work for which they wish to register. Special and irregular students in these schools are not, as such, entitled to the privileges of the University.

Diligence, industry, punctuality, and proficiency are required of unclassified students as of candidates for degrees.

No person is permitted to abuse the privilege of registering as an unclassified student to secure merely nominal membership in the University, whether for social purposes or to engage in athletics, or for any other reason.

The requirements in military drill and physical training stated below apply to unclassified students as well as to candidates for degrees.

An agreement has been entered into whereby students of the Lincoln Dental College enter the University as unclassified students, pursuing in the class-rooms and laboratories of the University certain sciences. The course of study in the Dental College is subject to revision at any time by the University in order that University standards may be maintained in the Dental College.

Students in the Dental College pay their entire tuition to and at the college as heretofore. The college settles with the University for the instruction taken therein by its students.

REGISTRATION

Students are required to register promptly at the beginning of each semester. A wider range of studies is offered at the beginning of the first semester than at the beginning of the second.

To promote prompt registration a fee of \$3 is charged a student who, unless excused by the Chancellor, for any reason seeks to register later than the sixth week day of a semester.

A like fee is charged for re-registration if made necessary by the student's fault.

Any change whatever in a registration once made is regarded as a re-registration.

No regular student is registered for less than twelve (12) hours nor for more than eighteen (18) hours a semester without the permission of the dean of his college.

A student cannot attend a class for which he is not registered. Credit is not granted for studies pursued without registration.

No student is allowed to change from one college to another without written permission to the registrar signed by the dean of each college concerned. A student changing college must also pay a new matriculation fee of \$5.

No student may change his group or drop any study for which he has been regularly registered, without written permission from the dean of his college.

Leave of absence for a short time may be granted a student by the dean of his college. This leave is merely a justification for the absence, not an excuse from any work.

If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the registrar grants him permission to do so. Students in good standing who are not minors, are, at their own request, given honorable dismissal from the University; minors, at the request of their parents or guardians.

The dean of the College in which a student registers is that student's adviser. Each dean has a consultation hour in the deans' room, University Hall 104, when students may call seeking advice or encouragement in their work.

REQUIREMENTS FOR GRADUATION

For the Bachelor's Degree one hundred and twenty-five "credit hours" are required.

The "credit hour" is the standard for computing the work required for graduation. This is equal to one hour of recitation or lecture a week for one semester requiring two hours' preparation or laboratory work.

No student is recommended for a degree who is not within eighteen hours of this requirement at the beginning of his last semester.

For military drill the maximum credit is four hours.

In physical training four hours' weekly attendance in the gymnasium gives [up to a total of four hours for men and five and a half for women] one hour credit. For physical training the maximum credit is four hours.

During the Freshman and the Sophomore years students are expected to take seventeen credit hours and military drill (for men) or physical training (for women). Men relieved from drill and women relieved from physical training are required to make up the work before they are graduated. If permanently excused, they make up the number of hours' credit by work in other departments.

GRADUATION IN LESS THAN FOUR YEARS

Students who are able to carry eighteen hours of recitations a week for three years, and who shall attend the Sum-

mer Session three years, may, in three years be graduated from one of the four-year courses.

REGULATIONS GOVERNING MILITARY DRILL

Unless excused or reprieved, each undergraduate man must fulfil this requirement in his Freshman and Sophomore years.

Systematic courses, under faculty instruction, in military drill are considered as "studies." They receive academic credit as specified below.

Only credibly attested physical disability or conscientious scruples (on the part of parent in case of a minor) are accepted as excuses from the requirements in military science.

A man excused from this requirement (whatever the reason) must still, in order to graduate, obtain the full number of hours credit required of other candidates for the degree sought.

For any man who fails to take military science any semester during which the same is required of him, the military science requirement is increased by a semester unless he is reprieved in writing by the Chancellor.

A reprieve does not abridge or otherwise modify a man's requirement in military science save to defer the period for discharging it; and no reprieved man leaving the University without having discharged this requirement can claim honorable dismissal.

The first-year courses in military drill are named Military Science A 1 and A 2; those of the second-year, Military Science AA 1 and AA 2.

Every man passing in course A 1 or A 2 or AA 1 or AA 2 for a given semester receives one hour University credit therefor. The total credit allowed for these courses, however, in no case exceeds four hours.

Thorough drill elsewhere than at the University may, as in the case of any other study, on evaluation, be credited to a student in lieu of a like amount of military science at the University. Such credit by commutation however, in no case exceeds a total of four hours.

REGULATIONS GOVERNING PHYSICAL TRAINING

Systematic courses, under faculty instruction, in physical training, are considered as "studies." They receive academic credit as specified below.

FOR MEN

For each of the courses in physical training for men—A 1 and A 2 and AA 1 and AA 2, all elective—three hours a week credit is given. The maximum credit, however, is four hours.

FOR WOMEN

Courses a 1, a 2, aa 1 and aa 2, in physical training are required of all undergraduate women in the College of Literature, Science and the Arts, and in the Industrial College.

The provisions for reprieves from this requirement are the same as those set forth above for military drill. The only ground for an excuse from this requirement is attested physical disability.

For each of these required courses one hour credit is given.

Credit for this work done elsewhere than at this University cannot exceed four hours.

Students who have done this work elsewhere may elect it here, but in no case can the total credit exceed four hours.

COURSES OF INSTRUCTION

THE COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

In the College of Literature, Science and the Arts the course of study is, after the first year, largely elective.

A student may omit any five-hour subject from the group of studies elected by him and substitute such other work as he is prepared to take.

Of the one hundred and twenty-five (125) hours required for the degree of Bachelor of Arts, twenty (20) hours must be in the foreign language.

No student can claim credit for more than forty (40) "credit" hours work in any one department during his undergraduate course.

Students are recommended not to begin both French and German at the same time.

Students should choose their electives with careful deliberation and after consultation with deans and heads of departments.

FRESHMAN YEAR

	REQUIRED	HOURS
Rhetoric 1, 2.....		2
Drill (men).....		1
Physical Training (women).....		1

ELECTIVE

At least two of the following:

Greek.....	5
Latin.....	4
French.....	5
German.....	5
Mathematics.....	5

For the guidance of students in making their elections for the Freshman year, the following groups of studies are suggested :

1. Rhetoric	2
Greek	5
Latin	4
Mathematics	5
Drill (men).....	1
Physical Training (women)	1
	<hr/>
	17
2. Rhetoric.....	2
Greek or Latin	5 or 4
French or German.....	5
Mathematics	5
Drill (men).....	1
Physical Training (women)	1
	<hr/>
	17 or 18
3. Rhetoric	2
French.....	5
German	5
Mathematics.....	5
Drill (men).....	1
Physical Training (women)	1
	<hr/>
	18

THE INDUSTRIAL COLLEGE

In the Industrial College are three general groups, eight special groups, and five technical groups. The general lists of these various groups are given below, followed by special tabular statements of them. All the courses in the Freshman year are prescribed and form the common bases of both the general and special groups.

At the end of the Freshman year the student may continue his work in either of the general groups, or he may elect any one of the special groups. The studies in the general groups are arranged to meet the requirements of students whose primary object is a general education.

The various lines of study in the special groups are planned and coordinated to enable students to direct their work so as to meet their individual needs. In these groups the principle of concentration, intensive work along a definite line is followed. At least forty percent of his work in the last three years the student takes in the two departments jointly offering the group which he elects.

THE GENERAL SCIENTIFIC GROUP

FIRST YEAR

	1st Semester Hours	2d Semester Hours
Mathematics 1, 2.....	5	5
French or German.....	5	5
Physics 1, 2.....	3	3
Rhetoric 1, 2.....	2	2
Chemistry 1, 2.....	2	2
*Military Drill (for men).....	....	....
	<hr/> 17	<hr/> 17

SECOND YEAR

Rhetoric 5, 6.....	3	3
Chemistry 3, 4.....	3	3
Physics 3, 4.....	2	2
Botany 1, 2, or Zoology 1, 2.....	3	3
Electives.....	5	5
Military Drill (for men).....	....	....
	<hr/> 16	<hr/> 16

THIRD YEAR

English Literature 5, 6.....	3	3
Philosophy 1, 4.....	3	3
Botany 1, 2, or Zoology 1, 2.....	3	3
Geology 1, 2.....	2	2
Electives.....	4	4
Two themes.....	....	....
	<hr/> 15	<hr/> 15

*Four semesters of physical training, each giving one hour credit, are required of women.

FOURTH YEAR

	1st Semester Hours	2d Semester Hours
Political Science	3	3
History	3	3
Electives.....	7	6
One theme.. ..	....	....
	<hr/> 13	<hr/> 12

THE GENERAL AGRICULTURAL GROUP

FIRST YEAR

Mathematics 1, 2	5	5
French or German.....	5	5
Physics 1, 2	3	3
Rhetoric 1, 2	2	2
Chemistry 1, 2.....	2	2
*Military Drill (for men).....	....	....
	<hr/> 17	<hr/> 17

SECOND YEAR

Agricultural Subjects.....	5	5
Rhetoric 5, 6	3	3
Botany 1, 2, or Zoology 1, 2.....	3	3
Electives.....	5	5
Military Drill (for men).....	....	....
	<hr/> 16	<hr/> 16

THIRD YEAR

Agricultural Subjects.....	5	5
English Literature 5, 6.....	3	3
Geology 1, 2	2	2
Electives.....	5	5
Two themes.....	....	....
	<hr/> 15	<hr/> 15

FOURTH YEAR

Agricultural Subjects.....	4	4
Political Science	3	3
Electives.....	6	5
One theme .....	....	....
	<hr/> 13	<hr/> 12

*Four semesters of physical training, each giving one hour credit, are required of women.

THE TECHNICAL AGRICULTURAL GROUP**FIRST YEAR**

	1st Semester Hours	2d Semester Hours
Chemistry 1, 2.....	2	2
Botany 1, 2	3	3
Animal Husbandry 1, 2 and 3.....	3	3
Entomology 1, 2.....	2	2
Rhetoric 1, 2.....	2	2
French or German	5	5
Military Drill.....	....	....
	17	17

SECOND YEAR

Technical Agriculture or Horticulture.....	2	2
Geology 1, 2.....	2	2
Science.....	5	5
German or French	5	5
Rhetoric 5, 6.....	3	3
Military Drill.....	....	....
	17	17

THIRD YEAR

Technical Agriculture or Horticulture	5	5
Science.....	5	5
Language.....	4	4
Two Themes.....	....	....
	14	14

FOURTH YEAR

Technical Agriculture or Horticulture	5	5
Political Science.....	3	3
One Theme.....	....	....
Electives	5	5
	13	13

* Four semesters of physical training, each giving one hour credit, are required of women.

PRE-MEDICAL GROUP*FIRST YEAR**

Chemistry 1, 2	2	2
Physics 1, 2.....	3	3
Modern Language (German)	5	5

FIRST YEAR—Continued

	1st Semester Hours	2d Semester Hours
Zoology 1, 2.....	3	3
Rhetoric 1, 2.....	2	2
Zoology 8a.....	....	2
‡Military Drill (men).....	....	....
	<hr/> 15	<hr/> 17

SECOND YEAR

Botany 1, 2.....	3	3
Chemistry 3, 4.....	3	3
Zoology 5, 8.....	4	4
Modern Language.....	5	5
Military Drill (men).....	....	....
	<hr/> 15	<hr/> 15

THIRD YEAR

Pharmaceutical Botany.....	2	2
Physiology.....	2	2
Physics 3, 4.....	2	2
Zoology 9, 10.....	3	3
Psychology.....	3	3
Elective.....	3	3
Two Themes.....	....	....
	<hr/> 15	<hr/> 15

FOURTH YEAR

Zoology 11, 13, 12, 14, or Human Anatomy.....	3	3
Bacteriology and Pathology.....	4	4
Physiological Chemistry.....	3	3
Hygiene and Physical Diagnosis.....	2	2
Elective.....	3	3
One Theme.....	....	....
	<hr/> 15	<hr/> 15

†Students who have not had trigonometry are expected to devote enough time outside to that subject to carry the work in physics.

‡Four semesters of physical training, each giving one hour credit, are required of women.

*Students wishing to combine this group with the work in the College of Medicine should consult the combined course given in the announcement of the College of Medicine.

TECHNICAL GROUP IN FORESTRY

This group is arranged to enable young men to fit themselves for practical work in forestry. The studies are largely biological. Much attention is given to plants in general and to trees in particular. The soil in its relation to vegetation and the relations of climate and rainfall to the forest covering of the country receives attention. The sciences underlying forestry are followed by technical forestry. During the course opportunity is given to spend one or more summers in some of the government forest reserves. Students electing this course should have had preparatory botany. Graduates who have had sufficient collateral work may complete the course in one year.

FIRST YEAR

	1st Semester Hours	2d Semester Hours
Modern Language.....	5	5
General Botany 1, 2.....	3	3
Chemistry 1, 2.....	2	2
Rhetoric 1, 2.....	2	2
Forestry 1.....	2	....
Horticulture 1, 2.....	2	2
Meteorology.....	....	3
Military Drill.....	....	....
	<hr/> 16	<hr/> 17

SECOND YEAR

Systematic Botany 15, 16.....	2	5
Physics 1, 2.....	3	3
General Entomology 1, 2.....	2	2
Rhetoric 5, 6.....	3	3
Mathematics 1.....	5	....
Study of Woods.....	....	2
Military Drill.....	....	....
	<hr/> 15	<hr/> 15

THIRD YEAR		
	1st Semester hours	2d Semester hours
Plant Physiology and Pathology, 19, 20.....	5	5
Forestry 3, 4.....	3	3
Surveying 5, 30	4	2
Timber Physics 31, 32.....	2	2
Forest Zoology.....	2	2
Electives .....	....	2
Two Themes .....	....	....
	16	16
FOURTH YEAR		
Forest Measurements 5, 6.....	2	2
Forestry 7, 8.....	2	2
Political Economy 1.....	3	....
Soils 21, 11.....	2	2
General Geology 1, 2.....	2	2
Forest Entomology.....	2	....
Botany 41.....	....	3
Forestry 10 .....	....	1
Forestry 12 .....	....	1
One Theme.....	....	....
	13	13

CIVIL, ELECTRICAL, AND MECHANICAL ENGINEERING GROUPS

FIRST YEAR—ALL ENGINEERING GROUPS

FIRST SEMESTER

	CREDIT HOURS
Mathematics (Trigonometry and Analytical Geometry) 1.....	5
Physics (Mechanics of Solids and Fluids) 1.....	3
Rhetoric (Elementary Composition) 1	2
Mechanical Drawing (Mechanical Drawing) 1.....	3
Mechanical Engineering (Elementary Wood Work) 1.....	3
Military Drill.....	....
	16

SECOND SEMESTER

Mathematics (Analytical Geometry and Calculus) 2.....	5
Physics (Sound and Heat) 2.....	3
Rhetoric (Elementary Composition) 2.....	2
Mechanical Drawing (Descriptive Geometry) 2.....	3
Mechanical Engineering (Pattern-Making and Foundry Work) 2..	3
Military Drill.....	....
	16

CIVIL ENGINEERING GROUP**SECOND YEAR****FIRST SEMESTER**

	CREDIT HOURS
Mathematics (Analytic Geometry and Calculus) 3.....	5
Physics (Optics) 3.....	2
Chemistry (Metallic Elements) 1.....	2
Mechanical Drawing (Mechanism) 3.....	3
Civil Engineering (Surveying) 5.....	4
Military Drill.....	.....
	16

SECOND SEMESTER

Mathematics (Analytic Geometry and Calculus) 4.....	5
Physics (Electricity and Magnetism) 4.....	2
Chemistry (Metallic Elements) 2.....	2
Civil Engineering (Theoretical and Applied Mechanics) 18.....	3
Civil Engineering (Surveying) 6.....	4
Military Drill.....	.....
	16

THIRD YEAR**FIRST SEMESTER**

Electrical Engineering (Electric Power) 3 ..	2
Civil Engineering (Mechanics of Materials) 27.....	3
Civil Engineering (Civil Engineering Laboratory) 25.....	2
Civil Engineering (Hydraulics) 11.....	2
Electives.....	6
One Theme.....	.....
	15

SECOND SEMESTER

Electrical Engineering (Electrical Laboratory) 8.....	2
Civil Engineering (Masonry Construction) 22.....	4
Civil Engineering (Materials of Construction) 26.....	2
Civil Engineering (Framed Structures) 16.....	4
Electives	3
One Theme.....	.....
	15

FOURTH YEAR**FIRST SEMESTER****CREDIT
HOURS**

Civil Engineering (Framed Structures) 15.....	3
Civil Engineering (Hydraulic Engineering) 29.....	3
Electives.....	8
One Theme.....	

14**SECOND SEMESTER**

Mechanical Engineering (Experimental Mechanical Engineering) 18	3
Mechanical Engineering (Steam Engineering) 10.....	4
Thesis or Electives.....	6

13**ELECTRICAL ENGINEERING GROUP****SECOND YEAR****FIRST SEMESTER**

Mathematics (Analytic Geometry and Calculus) 3.....	5
Physics (Optics) 3	2
Chemistry (Metallic Elements) 1.....	2
Mechanical Drawing (Mechanism) 3.....	4
Mechanical Engineering (Forging) 3.....	3
Military Drill.....	

16**SECOND SEMESTER**

Mathematics (Analytic Geometry and Calculus) 4.....	5
Physics (Electricity and Magnetism) 4.....	2
Chemistry (Metallic Elements) 2.....	2
Civil Engineering (Theoretical and Applied Mechanics) 18.....	3
Mechanical Engineering (Filing and Chipping) 4.....	2
Physics (Electricity and Magnetism) 10	2
Military Drill.....	

16**THIRD YEAR****FIRST SEMESTER**

Mechanical Drawing (Machine Design) 5.....	3
Civil Engineering (Mechanics of Materials) 27.....	3
Electrical Engineering (Dynamios) 1....	2
Chemistry (Qualitative Analysis) 9	2
Physics (Electrical Measurements) 9	4
Elective.....	2
One Theme	

16

THIRD YEAR

SECOND SEMESTER

	CREDIT HOURS
Mechanical Drawing (Machine Design) 6.....	3
Electrical Engineering (Dynamos) 2.....	2
Chemistry (Quantitative Analysis) 10.....	2
Electrical Engineering (Electrical Laboratory) 8.....	2
Mechanical Engineering (Laboratory) 16 a.....	2
Mechanical Engineering (Steam Engineering) 10.....	4
One Theme.....	
	<hr/> 15

FOURTH YEAR

FIRST SEMESTER

Electrical Engineering (Laboratory) 9.....	3
Electrical Engineering (Electric Lighting) 17, or.....	
Electrical Engineering (Telephone Engineering) 19.....	2
Electrical Engineering (Alternating Currents) 5.....	4
Civil Engineering (Surveying) 5.....	4
Elective.....	2
One Theme.....	
	<hr/> 15

SECOND SEMESTER

Electrical Engineering (Thesis) 10.....	4
Electrical Engineering (Chemical Engineering) 18.....	2
Electrical Engineering (Electric Railways) 20.....	2
Electrical Engineering (Technical Reports) 16.....	1
Elective.....	6
	<hr/> 15

MECHANICAL ENGINEERING GROUP

SECOND YEAR

FIRST SEMESTER

Mathematics (Analytic Geometry and Calculus) 3.....	5
Physics (Optics) 3.....	2
Chemistry (Metallic Elements) 1.....	2
Mechanical Drawing (Mechanism) 3.....	4
Mechanical Engineering (Forge Work) 3.....	3
Military Drill.....	
	<hr/> 16

SECOND SEMESTER

CREDIT
HOURS

Mathematics (Analytic Geometry and Calculus) 4.....	5
Physics (Electricity and Magnetism) 4.....	2
Chemistry (Metallic Elements) 2.....	2
Civil Engineering (Theoretical and Applied Mechanics) 18.....	3
Mechanical Engineering (Filing and Chipping) 4.....	2
Military Drill.....	

THIRD YEAR

14

FIRST SEMESTER

Mechanical Drawing (Machine Design) 5.....	3
Civil Engineering (Mechanics of Materials) 27.....	3
Civil Engineering (Hydraulics) 11.....	2
Electrical Engineering (Electric Power) 3.....	2
Mechanical Engineering (Mechanical Engineering Laboratory) 15..	2
Mechanical Engineering (Machine Tool Work) 5.....	2
One Theme	

SECOND SEMESTER

14

Mechanical Drawing (Machine Design) 6.....	3
Mechanical Engineering (Steam Engineering) 10.....	4
Mechanical Engineering (Experimental Mechanical Engineering) 18	3
Mechanical Engineering (Mechanical Engineering Laboratory) 15..	3
Mechanical Engineering (Mechanical Construction) 6.....	2
One Theme	

FOURTH YEAR

15

FIRST SEMESTER

Mechanical Engineering (Valve Mechanism) 9.....	2
Mechanical Engineering (Steam Boilers) 11	2
Mechanical Engineering (Power Transmission) 29.....	2
Mechanical Engineering (Pumping Machinery) 13, or {	
Mechanical Engineering (Hydraulic Motors) 31 }	3
Mechanical Engineering (Mechanical Engineering Laboratory) 17..	2
Electives.....	4
One Theme	

SECOND SEMESTER

15

Mechanical Engineering (Thermodynamics) 12.....	4
Mechanical Drawing (Steam Engine Design) 8.....	2
Electrical Engineering (Electrical Laboratory) 8	2
Thesis or Electives.....	4
Electives.....	3

15

CHEMICAL ENGINEERING**FIRST YEAR**

	1st Semester Hours	2d Semester Hours
General Inorganic Chemistry	4	....
Chemistry 9, 10 .....	....	4
Mathematics 1, 2	5	5
Rhetoric 1, 2	2	2
Physics 1, 2	3	3
Mechanical Engineering 1, 2 (shop work).....	3	3
Military Drill.....	1	1
	<hr/> 18	<hr/> 18

SECOND YEAR

Physics 3, 4.....	2	2
Mathematics 3, 4.....	5	5
Modern Language.....	5	5
Mechanical Drawing 9, 10	2	2
Civil Engineering 18.....	....	3
Military Drill.....	1	1
	<hr/> 15	<hr/> 18

THIRD YEAR

Chemistry 3, 4	3	3
Chemistry 19, 20.....	2	2
Chemistry 21, 22.....	2	2
Chemistry 25	2	....
Civil Engineering 5, 26.....	4	2
Civil Engineering 27.....	3	....
Mechanical Engineering 10.....	....	4
Two Themes.....	<hr/>	<hr/>
	16	13

FOURTH YEAR

Chemistry 23, 24	3	3
Manufacturing Chemistry—Inorganic, Organic..	5	5
Electrical Engineering 3, 8.....	2	2
Mechanical Engineering 11, 12.....	2	4
Mechanical Engineering 29.....	2	....
One Theme.....	<hr/>	<hr/>
	14	14

MINING ENGINEERING

	FIRST YEAR	1st Semester Hours	2d Semester Hours
General Inorganic Chemistry	4	4	....
Chemistry 9, 10 .....	...	...	4
Mathematics 1, 2	5	5	5
Rhetoric 1, 2	2	2	2
Physics 1, 2	3	3	3
Mechanical Engineering 1, 2 (shop work)	3	3	3
Military Drill	1	1	1
	<hr/>	18	18
	SECOND YEAR		
Mathematics 3, 4	5	5	5
Modern Language	5	5	5
Geology	4	4	...
Civil Engineering 18 .....	....	....	3
Mechanical Drawing 9, 10	2	2	2
Military Drill	1	1	1
	<hr/>	17	16
	THIRD YEAR		
Chemistry 21, 22	2	2	2
Metallurgy	5	5	...
Geology .....	....	....	4
Civil Engineering 5, 6	4	4	4
Civil Engineering 25, 26	2	2	2
Mechanical Engineering 11, 16	2	2	3
Electrical Engineering 3, 8	2	2	2
Two Themes .....	....	....	....
	<hr/>	17	17

THE SPECIAL GROUPS (Industrial College)

Hours

Mathematics, 1, 2 5
Modern language 3
Physics 1, 2 3
Rhetoric 1, 2 2
Chemistry 1, 2 2
*Military drill or physical training 1

GENERAL SCIENTIFIC

18

1. AGRICUL. AND CHEM.	2. BOTANY AND AGRICUL.	3. BOTANY AND ZOOLOGY	4. CHEM. AND PHYSICS	5. HORT. AND BOTANY	6. MATH. AND PHYSICS	7. ZOOLOGY AND PHIL.	8. CHEM. & DOM. SCI.
Agriculture 3 Chemistry 3 Rhetoric 3 Physics 2 Electives 5 Drill or Phys. Tr. 1 17	Agriculture 3 Botany 3 Rhetoric 3 Chemistry 3 Physics 2 Drill or Phys. Tr. 1 Electives 3 17	Botany 3 Zooology 3 Language 4 Rhetoric 3 Drill or Phys. Tr. 1 Electives 3 17	Chemistry 3 Physics 2 French or German 5 Rhetoric 3 Drill or Phys. Tr. 1 Electives 3 17	Horticult 1, 2, 2 Botany 19, 20, 3 Agricul. 21, 2 Physics 1, 2, 3 Rhetoric 3 Entomology 2 Meteorology 2 Drill or Phys. 1 Training 1 18	Math. 5 Physics 2 Proj. Draw 1 Rhetoric 3 German 3 Drill or Phys. Tr. 1 Electives 2 17	Zooology 4 Philosophy 3 Language 4 Rhetoric 3 Drill or Phys. Tr. 1 Electives 3 17	Dom. Sci. 3 Chem. 3, 4, 3 Rhetoric 3 Botany 1, 2, 3 Drawing 2 Electives 2 Physical Tr. 1 17
Chemistry 5 Agriculture 2 Eng. Lit. 3 Geology 2 Electives 3 Two themes 15	Botany 7 Agriculture 3 Chemistry 5 Two themes 15	Botany and 5-3 Zooology 3-5 Eng. Lit. 3 or Phil. 3 Electives 4 Two themes 15	Chemistry 3 Physics 3 Eng. Lit. 3 Electives 8 Two themes 15	Horticulture 3 Botany 4 Geology 1, 2, 2 English Lit. 3 Electives 2 Two themes 14	Physics 4 Math. 4 Eng. Lit. 3 Electives 4 Two themes 15	Zooology 4 Philosophy 3 History 3 or 4 Electives 4 Two themes 15	Dom. Sci. 3 Chem. 9, 10, 3 Eng. Lit. 5, 6, 3 Zooology 3, 4, 2 +See below 2 Electives 2 Themes 15
Agriculture 3 Chemistry 3 Electives 7 One theme 13	Botany 8 Agriculture 3 Geology 2 One theme 13	Botany or 8 Zooology 5 Electives 5 One theme 13	Chemistry 8 or Physics 5 Electives 5 One theme 13	Mathematics 5 or Physics 8 Electives 8 One theme 13	Mathematics 5 or Physics 8 Electives 6 One theme 13	Zooology 5 Philosophy 2 Electives 6 One theme 13	Domestic Science 3 Chemistry 4 Electives 6 One theme 13

*Military drill for men and physical training for women give in each case at least four hours credit for completion of the requirement.

†In first year of horticulture and botany, botany 3 hours is required instead of physics.

‡Third year. Entomology, 1st semester, 2 hours. Bacteriology, 2d semester, 2 hours.

SPECIAL COLLEGIATE COURSES

COURSE FOR THE TEACHER'S CERTIFICATE

The university teacher's certificate is granted to such graduates of the University as have satisfactorily completed the work outlined below and have shown such marked proficiency therein as to justify the faculties in recommending them to the profession of teaching.

The professional work required for the teacher's certificate may be elected, the same as work in all departments, by regular students above sophomore standing, by experienced teachers, and by unclassified students who satisfy the heads of departments that they are sufficiently qualified to pursue the work.

Under Section 10 (4792) of the school law of Nebraska, as amended in 1897, the state superintendent of public instruction is authorized to grant permanent state teacher's certificates after three years successful experience in teaching. The certificates are also recognized by the proper authorities in a number of states as sufficient evidence upon which to grant teachers' licenses without further examination.

REQUIREMENTS

1. General Knowledge. The candidate must hold the bachelor's or master's degree from this University.

2. Special Knowledge. The completion of work amounting normally to 20 hours in a subject or group of closely allied subjects which the student expects to teach, the ultimate decision as to the student's proficiency resting with the departments concerned. As examples of groups

of subjects may be mentioned Latin and Greek, modern languages, English and history, history and political economy, mathematics and physics, physics and chemistry, botany and zoology, drawing and manual training.

3. Professional Knowledge. The completion of 18 hours in psychology and education. It is recommended that about one-third of this work be taken in the department of Philosophy and the remainder in the department of Education. As a substitute for the two hours' course in general methods, the student may elect a special teacher's course offered by the department in which he is taking his special work.

All general questions relating to the students professional work are under the supervision of a committee consisting of the professor of education, the professor of philosophy, and the dean of the college in which the student is registered. Recommendations for the teacher's certificate are made through this committee to the faculties.

THE COURSE IN PHYSICAL EDUCATION

The university certificate of the completion of the course in physical education is granted to graduates of the University who have satisfied all the requirements and whose faithful work in general, special, and professional subjects proclaims them worthy to receive from the faculty such a recommendation. Graduates from other universities and from colleges of high rank may receive a like certificate upon the same terms as graduates of this institution. Students not graduates of this University or of institutions of equal rank, who complete this course, receive statements to that effect and also credit for their work towards a degree.

	FIRST YEAR	1st Semester Hours	2d Semester Hours
Rhetoric 1, 2.....		2	2
Chemistry 1, 2.....		2	2
Physical Education (Theory) 1, 4		2	2
Physical Education (Theory) 7: Kinesiology.....		2	...
Physical Education (Practice) 13 or 21, 14 or 22..		1	1
Physical Education (Theory and Practice) 19, 20		1	1
Zoology 1, 2.....		3	3
Zoology 3, 4.....		2	2
Zoology 8a.....		....	2
		15	15
	SECOND YEAR		
Philosophy 1, 8.....		3	3
Physics 1 2.....		3	3
Physical Education (Theory) 2, 8.....		2	2
Physical Education (Theory) 5, 6.....		1	1
Physical Education (Theory) 10, 12.....		1	2
Physical Education (Theory) 17, 18.....		2	2
Physical Education (Practice) 15 or 23, 16 or 24..		1	1
Zoology 11, 12.....		3	3
		16	17

Courses marked with an asterisk are open to graduate students as well as to undergraduates.

AGRICULTURE

PROFESSOR LYON, MR. KEYSER, MR. MONTGOMERY

The courses offered are intended to meet the needs of two classes of students: (1) those taking a general college course and interested in farming operations or the management of land; and (2) those fitting themselves to be instructors in agricultural subjects or to be experiment-station workers.

Courses 21 and 22 are designed particularly for those who expect to conduct or direct farm operations in Nebraska.

A course in American agriculture is given in the department of Political Economy and Sociology (course 34).

COURSES

- *21. **Soils**—A study of the properties of soils and their relation to crop production. Two hours attendance. Two hours credit. First semester.
PROFESSOR LYON.
- *22. **Field Crops and Farm Management**—A discussion of methods of crop treatment, of crop rotations and of the conduct of farm affairs. Two hours attendance. Two hours credit. Second semester.
PROFESSOR LYON.
- *11. **Properties of Soils**—Must be preceded by courses 21 and 22. A study by means of laboratory experiments of the properties of soils. First semester.
PROFESSOR LYON.
- *12. **Properties of Soils**—11 continued. Second semester.
- *15. **Methods of Investigation with Soils** — Must be preceded by courses 21 and 23. Four to twenty hours laboratory. Two to five hours credit. First semester.
PROFESSOR LYON.
- *16. **Methods of Investigation with Field Crops** — Must be preceded by courses 21 and 22. Four to twenty hours laboratory. Two to five hours credit. Second semester.
PROFESSOR LYON.
23. **Soil Tillage** (School of Agriculture) — The order, deposition, and natural transportation of soils; physical and chemical constitution of soils and sub-soils; influence of the size of soil grains on the rate of solution of plant food, drainage, aeration, water storage, and capillarity; forms in which water exists in soils; movement of water in the soil; soil temperatures; evaporation of water from the soil; methods of soil treatment for conservation of soil moisture; the significance of a chemical analysis of soil; fixation of fertilizing materials; nitrification; availability of plant food; tillage, reasons for tillage, effect of drifting, effect of plowing wet or dry soil; subsoil plowing, water-holding power of loose and compact soil; disking and listing; the application of barnyard and green manures and commercial fertilizers. Two hours attendance. Two hours credit. First and second semesters.
MR. KEYSER.
24. **Crop Production** (School of Agriculture) — Useful and essential ingredients of the ash of plants; functions of the ash constituents of plants and the formation of plant substance; functions of the roots, stem, and leaves of plants; the breeding of cereals. A treatment of each of the principal field crops, somewhat accord-

ing to the following scheme: characteristics, varieties, vitality, climate, soil, manures, tillage, seeding, cultivation, harvesting, preservation, position in rotation, uses. Three hours attendance. Three hours credit. First and second semesters.

PROFESSOR LYON, MR. MONTGOMERY.

25. **Soil Laboratory** (School of Agriculture)—Determination of specific gravity of soils; determination of the column weight of soils; power of loose soils to retain moisture; the power of compact soils to retain moisture; rate of percolation of water through soils; rate of percolation of air through soils; effect of mulches on evaporation of water from soils; behavior of the soil toward gases; capillary attraction of the soil; the power of soils to fix ammonia. Two hours attendance. Two hours credit. First and second semesters.

MR. KEYSER.

26. **Plant Laboratory**—Instruction in judging cereals according to a scale of points. The object of this instruction is to familiarize the student with the good and bad points exhibited by grains to be used for seed, so that he may be able to select seed that represents a type of the greatest excellence and that may be expected to produce the best crops. Very thorough laboratory work, each cereal being taken up separately and considerable time and much study given to it. The identification of weed seeds is studied so that the student may be able to discover the presence of any noxious weed seed. One hour attendance. One hour credit. First and second semesters.

MR. MONTGOMERY.

AGRICULTURAL CHEMISTRY

PROFESSOR AVERY, MISS CORR

2. **Analysis of Agricultural Products**—A course in the quantitative analysis of grains, fodders, soils, fertilizers, fruits, insecticides, dairy products. Must be preceded by courses in general chemistry 1 and 2, and at least other courses giving practice in quantitative methods. Three hours attendance. Six hours laboratory. Three hours credit. Second semester. PROFESSOR AVERY.
3. **Elementary Agricultural Chemistry**—(School of Agriculture). A course in the general principles of chemistry. Especial emphasis is given to experiments designed to explain the chemistry of agri-

culture. Three hours attendance. Six hours laboratory. Three hours credit. First semester. PROFESSOR AVERY, MISS CORR.

4. **Elementary Agricultural Chemistry** — 3 continued — Second semester.

AMERICAN HISTORY AND POLITICS

SEE HISTORY

ANIMAL HUSBANDRY

PROFESSOR BURNETT, PROFESSOR SMITH, MR. SNYDER, MR. MAGDANZ

1. **Breeds of Live Stock**—History of the different breeds of live stock. Methods pursued in the development of breeds. The characteristics and adaptability of each of the improved breeds. Two hours attendance. Two hours credit. First semester.

PROFESSOR SMITH.

2. **Animal Breeding** — Laws of heredity, correlation, fecundity, inbreeding, cross-breeding, influence of parents, mental condition, climate, previous impregnation, methods of selection of perfect types and securing prepotency. Pedigree, sex, period of gestation. Two hours attendance. Two hours credit. Second semester,

PROFESSOR SMITH.

3. **Judging Live Stock**—Practice with the score card. Competitive judging of classes by ages of the more important breeds of horses, cattle, sheep, and swine. Students are advised to pursue this course with course 1. One hour credit. One hour attendance.

PROFESSOR SMITH, DR. GAIN, MR. SNYDER.

4. **Judging Live Stock**—3 continued. Second semester.

5. **Animal Nutrition**—General composition of animal body. Laws of nutrition as influencing digestion, absorption, and excretion. Composition and digestibility of feeding stuffs. Feeding standards. Compounding of rations. Experiments in feeding farm animals. Influence of food on animal form. Influence of food on quality of meat, milk and animal products. Three hours attendance. Three hours credit. First semester.

PROFESSOR SMITH.

6. **Animal Nutrition**—5 continued. Advanced course. A review of bulletins on feeding, and a discussion of methods employed

in conducting experiments in feeding. Two hours attendance.
Two hours credit. PROFESSOR SMITH.

7. **Breeding and Live Stock Judging**—(School of Agriculture.) The history and development of horses, breeds of cattle, sheep, and swine. Judging breeds by the score card and by competitive methods. Selecting animals for feeding purposes, judging meat carcasses. Three hours attendance. Three hours credit. First and second semesters.

PROFESSOR SMITH, MR. SNYDER, MR. MAGDANZ.

8. **Principles of Breeding**—(School of Agriculture.) Elementary study of the laws of heredity, variation, and selection; prepotency; effect of pure-bred animals in improving common types. Three hours attendance. Three hours credit. First and second semesters.

PROFESSOR BURNETT, MR. MAGDANZ.

9. **Feeding Live Stock**—(School of Agriculture.) Elementary discussion of the composition of the animal body and of foods, and the relation of each to the other. Influence of food on animal form. Economical feeding of farm animals. Three hours attendance. Three hours credit. First and second semesters.

PROFESSOR SMITH.

ASTRONOMY AND METEOROLOGY

PROFESSOR SWEZEY, MR. LOVELAND

METEOROLOGY

1. **General Meteorology**—The earth's atmosphere, including such subjects of composition and extent, temperature, moisture, dew, frost, clouds, precipitation, winds, and storms, with a study of weather maps. Lectures, readings, and laboratory work in constructing weather maps and making forecasts. One hour attendance. One hour credit. First and second semesters.

MR. LOVELAND.

2. **General Meteorology**—1 continued. Similar to course 1 but more comprehensive. Two hours attendance. Two hours credit. Second semester.

MR. LOVELAND.

4. **Climatology**—A laboratory course including a study of meteorological instruments, their construction and errors; the equipment of an observing station; the organization and work of the weather

services of the world; a study of climates both local and general, with an extensive comparison of climates of different cities and countries. Must be preceded or accompanied by courses 1 or 2. One hour attendance. One hour credit. First and second semesters.
MR. LOVELAND.

ELEMENTARY ASTRONOMY

5. **Descriptive Astronomy**—A brief outline of astronomy by lectures and readings with special reference to descriptive features. The celestial sphere, celestial mechanics, the earth and time, the moon and eclipses. One hour attendance. One hour credit. First semester.
PROFESSOR SWEZEY.
6. **Descriptive Astronomy**—5 continued. The sun, planets, comets, meteors, and stars. Second semester.
PROFESSOR SWEZEY.
- 6a. **Lecture Course**—Covering very briefly, the same ground as courses 6 and 7. One hour attendance. One hour credit. Second semester.
PROFESSOR SWEZEY.
7. **General Astronomy**—Includes course 5, supplemented by observational work with the telescope and without, and the keeping of a note book. Three hours attendance. Three hours credit. First semester.
PROFESSOR SWEZEY.
8. **General Astronomy**—7 continued. Second semester.

ADVANCED ASTRONOMY

Courses 9 and 10, 11 and 12, and 13 and 14 together constitute a second year's work in general astronomy, but they may be taken separately.

- *9. **Advanced Descriptive Astronomy**—Lectures and readings in the departmental library. Two hours attendance. Two hours credit. First semester.
PROFESSOR SWEZEY.
- *10. **Advanced Descriptive Astronomy**—9 continued. Second semester.
- *11. **Mathematical Astronomy**—Deals with the mathematical relations of the subject. Requires plane trigonometry. Two hours attendance. Two hours credit. First semester.
PROFESSOR SWEZEY.

- *12. **Mathematical Astronomy**—11 continued. Second semester.
- *13. **Observational Astronomy**—Use of the telescope and other instruments; mainly illustrative of the principles of general astronomy. One hour attendance. One hour credit. First semester.
PROFESSOR SWEZEY.
- *14. **Observational Astronomy**—13 continued. Second semester.

PRACTICAL ASTRONOMY

This work involves the use of instruments of precision. For teachers or specialists in astronomy; courses 5 to 14 are not prerequisite, but one of the elementary courses is a useful introduction.

- *15. **Spherical and Practical Astronomy**—Theory and use of the transit instrument, meridian circle, zenith telescope and the like, as used in astronomical work. Requires plane trigonometry. Two or three hours attendance. Two or three hours credit. First and second semesters.
PROFESSOR SWEZEY.
- *16. **Spherical and Practical Astronomy**—15 continued.
- *25. **Geodetic Astronomy**—Much the same as course 15, but gives special attention to field work. Methods of finding latitude, longitude, time, and the meridian. Two or three hours attendance. Two or three hours credit. First and second semesters.
PROFESSOR SWEZEY.
- *26. **Geodetic Astronomy**—25 continued. First semester.
- *17. **Astrophysics**—Lectures and practical work in astronomical spectroscopy, photometry, and photography. Two or three hours attendance. Two or three hours credit. First and second semesters.
PROFESSOR SWEZEY.
- *18. **Astrophysics**—17 continued. Second semester.
- *19. **Advanced Practical Astronomy**—Special courses in the use of various instruments of precision. One or more hours attendance. One or more hours credit. First and second semesters.
PROFESSOR SWEZEY.
- *20. **Advanced Practical Astronomy**—19 continued. Second semester.

THEORETICAL ASTRONOMY

- *21. **Calculation of Orbits and Ephemerides**—Requires the calculus.

Three hours attendance. Three hours credit. First and second semesters.
PROFESSOR SWEZEY.

*22. **Calculation of Orbits and Ephemerides**—21 continued. First and second semesters.

*23. **Calculation of Mean and Apparent Star Places**—Three hours attendance. Three hours credit. First semester.
PROFESSOR SWEZEY.

*24. **Calculation of Eclipses and Occultations**—Three hours attendance. Three hours credit. Second semester.
PROFESSOR SWEZEY.

BACTERIOLOGY

ASSISTANT PROFESSOR WAITE

1. **General Bacteriology**—The form, structure, manner of multiplication, reproduction, requirements of growth, and chemical products of bacteria. The relation of bacteria to fermentation and putrefaction and the means by which complex organic compounds are reduced to simple inorganic forms are fully explained. Disinfection, sterilization, and the theories of immunity. In the laboratory the student is taught to prepare his own media and make his plate and other cultures, thus acquiring sufficient experience in technique to prepare him to work independently. Several non-pathogenic and pathogenic forms are studied. Four hours attendance. Eight hours laboratory. Four hours credit. First semester.
ASSISTANT PROFESSOR WAITE.

3. **Dairy Bacteriology**—The sources of bacteria in milk. Lactic and butyric acid fermentations, peptonizing, rennet-forming and butyric acid-producing bacteria are discussed and some of the typical organisms isolated. Abnormal fermentations giving rise to slimy, bitter, red, blue, yellow, and green milk are elucidated. The relation of milk to the spread of tuberculosis, typhoid fever, and other diseases. Sterilization and pasteurization. Bacteria in butter-making. The ripening of cream and butter. Rancid butter and its cause. The employment of pure cultures to improve the flavor and aroma of butter and cheese. Two hours attendance. Four hours laboratory. Two hours credit. First semester.
ASSISTANT PROFESSOR WAITE.

4. **Agricultural Bacteriology**—The nitrogen problem. The role of bacteria in ammoniacal fermentation, nitrification, and denitrification. The use of bacteria as a means of reclaiming nitrogen lost from the soil. The practical employment of nitrifying bacteria and the employment of pure cultures in growing leguminous plants. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

ASSISTANT PROFESSOR WAITE.

BIBLIOGRAPHY

PROFESSOR WYER

5. **Books and Reading**—Great books and their authors. How to use the library. Reference books and periodicals. Classification, indexing, note-taking. This course has nothing to do with technical training for library work. It is purely a culture course designed to help all students whose work brings them into the library. One hour attendance. One hour credit. First semester.

PROFESSOR WYER.

BIOMETRY

SEE MATHEMATICS

BOTANY

PROFESSOR BESSEY, ASSISTANT PROFESSOR CLEMENTS,
ADJUNCT PROFESSOR HEALD, MR. SHANTZ

The courses in botany are arranged in four parallel lines as shown in the scheme below. Before electing courses the student is advised to consult with the head of the department. Students adequately prepared may, after consultation with the head of the department, enter the following courses at the beginning of the second semester: 2, 4, 14, 18, 20, 34, 36a, 38, 41, and 42.

SYSTEMATIC ARRANGEMENT OF COURSES

INTRODUCTORY TO ALL COURSES

1, 2. General Botany.

3, 4. General Botany.

Leading to Four Lines of Undergraduate and Graduate Work

I

- 5, 6. Cytology.
7, 8. Histology.
9, 10. Histogenesis.
11, 12. Cytogenesis.

II

- 13, 14. Seed-plants.
15, 16. Fungi.
17. Algae.
18. Mosses, Ferns.

III

- 19, 20. Physiological Pathology.
- 21, 22. Physiology.
- 23, 24. Experimental Ecology.
- 25, 26. Field Ecology.
- 26a. Field Ecology.
- 27, 28. Comparative Ecology.
- 29, 30. Pathology.

IV

- 31, 32. Pharmaceutical Botany.
- 34. Woods.
- 35, 36. General Bacteriology.
- 36a. Elementary Bacteriology.
- 37, 38. Special Bacteriology.
- 39, 40. Agricultural Botany.
- 41a. Dendrology.
- 42. Lecture Course.
- 43, 44. Nature Study.

More advanced courses for lines I, II and III are announced in the bulletin of the Graduate School.

GENERAL BOTANY

Required of all students intending to make a thorough study of the science.

1. **General Botany**—An introduction to the structure of plants, including the application of the paraffin method, followed by a study of the general morphology, histology and physiology of representative species from Protophyta to Phycophyta. Three hours lecture. Six hours laboratory. Three hours credit. First semester.

PROFESSOR BESSEY, ASSISTANT PROFESSOR CLEMENTS.

2. **General Botany**—The general morphology, histology and physiology of representative species of Carpophyta to Spermatophyta. Three hours lecture. Six hours laboratory. Three hours credit. Second semester.

PROFESSOR BESSEY, ASSISTANT PROFESSOR CLEMENTS.

3. **General Botany**—A study of the structure and classifications of Protophyta, Phycophyta and Carpophyta, with particular reference to their identification; the general features of cell-division, and the formation of the primary tissues; and the general relation of physical factors of the plant. Four hours lecture. Eight hours laboratory. Four hours credit. First semester.

PROFESSOR BESSEY, ASSISTANT PROFESSOR CLEMENTS.

4. **General Botany**—The identification of the mosses, ferns and flowering plants, with especial reference to their origin and relationships; a general study of spore formation and the development of

the embryo, and an inquiry into the modifications produced by water content and light, together with field work. Four hours lecture. Eight hours laboratory. Four hours credit. Second semester.

PROFESSOR BESSEY, ASSISTANT PROFESSOR CLEMENTS.

SPECIAL BOTANY

With few exceptions, these courses may be taken as minors or as majors by candidates for the degree of Master of Arts.

HISTOLOGICAL BOTANY

- *5. **Cytology**—A study of the micro-chemistry of the plant cell and of the details of karyokinesis and sporogenesis, with especial reference to biological principles. Two hours lectures. Four to thirteen hours laboratory. Two to five hours credit. First semester.

PROFESSOR BESSEY, ASSISTANT PROFESSOR CLEMENTS.

- *6. **Cytology**—5 continued. Second semester.

- *7. **Histology**—A comparative study of tissues and tissue aggregates and of the interrelations of tissue systems from the point of view of adaptation, together with the technique of differentiation processes. Two hours lectures. Four to thirteen hours laboratory. Two to five hours credit. First semester.

ASSISTANT PROFESSOR CLEMENTS.

- *8. **Histology**—7 continued. Second semester.

- *9. **Histogenesis**—The origin and development of tissues and tissue aggregates in the principal histogenetic types of Pteridophyta and Spermatophyta. Two hours lectures. Four to thirteen hours laboratory. Four hours credit. First semester.

ASSISTANT PROFESSOR CLEMENTS.

- *10. **Histogenesis**—9 continued. Second semester.

- *11. **Cytogenesis**—A critical study of the cytological phenomena of organogeny, spore genesis, and fecundation, together with a detailed consideration of technical formulae and methods. Two hours lectures. Four to thirteen hours laboratory. Two to five hours credit. Second semester.

ASSISTANT PROFESSOR CLEMENTS.

- *12. **Cytogenesis**—11 continued. Second semester.

SYSTEMATIC BOTANY

- *13. **Seed Plants**—Lectures on the principles of classification, and their application to the Monocotyledons. Two hours lectures. Four to thirteen hours laboratory work in the field and herbarium. Two to five hours credit. First semester.

PROFESSOR BESSEY, ASSISTANT PROFESSOR CLEMENTS.

- *14. **Seed Plants**—Lectures on the principles of classification and their application to the Dicotyledons. Otherwise as in course 13. Second semester.

PROFESSOR BESSEY.

- *15. **Fungi**—The classification and life history of the important groups of fungi, based on identification, cultures, and field work, with particular reference to forms of pathological importance. Two lectures. Four to thirteen hours laboratory. Two to five hours credit. First semester.

ASSISTANT PROFESSOR CLEMENTS.

- *16. **Fungi**—15 continued. Second semester.

- *17. **Algae**—A critical study, based on work with cultures, aquaria and herbarium, of the classification of the blue-green and yellow-green algae. Two hours lecture. Four to thirteen hours laboratory. Two to five hours credit. First semester.

PROFESSOR BESSEY, ASSISTANT PROFESSOR CLEMENTS.

- *18. **Mosses and Ferns**—Herbarium and field study of the classification of the Bryophyta and Pteridophyta. Two lectures. Four to thirteen hours laboratory. Two to five hours credit. Second semester.

PROFESSOR BESSEY, ADJUNCT PROFESSOR HEALD.

PHYSIOLOGICAL BOTANY

- *19. **Elementary Physiology and Pathology**—Includes (1) Physiology, an introductory study of growth, nutrition, irritability, and reproduction in plants; and (2) Pathology, a general study of the etiology of plant diseases, pathological anatomy and cultural studies of pathogenic organisms. May be taken alone as a three-hour subject. Five hours attendance. Ten hours laboratory. Five hours credit. First semester.

PROFESSOR BESSEY, ADJUNCT PROFESSOR HEALD.

- *20. **Elementary Physiology and Pathology**—19 continued. Second semester.

- *21. **General Physiology of Plants**—Laboratory studies of general problems in plant physiology, with readings from standard authors. Three lectures. Six to twelve hours laboratory. Three to five hours credit. First semester.

ADJUNCT PROFESSOR HEALD.

22. **General Physiology of Plants**—21 continued. Second semester.

- *23. **Experimental Ecology**—An experimental investigation of the effects of measured amounts of physical factors upon plants, together with the cytological and histological study of the resulting modifications. This course deals with the artificial production of habitat forms. Two hours lecture. Four to thirteen hours laboratory. Two to five hours credit. First semester.

PROFESSOR BESSEY, ASSISTANT PROFESSOR CLEMENTS.

- *24. **Experimental Ecology**—23 continued. Second semester.

- *25. **Field Ecology**—Field investigations, based upon a continuous physical factor record, primarily to determine the relation between efficient factors and the development and structure of vegetation. Two hours lectures. Four to thirteen hours laboratory. Two to five hours credit. First semester.

ASSISTANT PROFESSOR CLEMENTS.

- *26. **Field Ecology**—25 continued. Second semester.

- *26-*a*. **Field Ecology**—An ecological study of vegetation in the summer, involving the analysis of formations—an inquiry into the efficient causes of adaptation, and the application of instrumental and quadrat methods. In 1904 this course is given in the Summer Session at Lincoln; on alternate years it is given at the Alpine Laboratory of the Botanical Seminar, situated at Minnehaha, near Pike's Peak. Six hours credit. Summer session.

ASSISTANT PROFESSOR CLEMENTS.

- *27. **Comparative Ecology**—A critical study of the structure and relationship of formations, involving a comparison of the alpine and boreal vegetation of Eurasia and North America. Two hours lectures. Four to thirteen hours laboratory. Two to five hours credit. First semester.

ASSISTANT PROFESSOR CLEMENTS.

- *28. **Comparative Ecology**—27 continued. Second semester.

- *29. **General Pathology**—The study of assigned plant diseases. Three hours lecture. Six hours field and laboratory. Three hours credit. First semester.

PROFESSOR BESSEY.

- *30. **General Pathology**—29 continued. Second semester.

TECHNICAL BOTANY

- *31. **Pharmaceutical Botany**—Two hours lecture. Four hours laboratory. Two hours credit. First semester.

PROFESSOR BESSEY, ADJUNCT PROFESSOR HEALD.

- *32. **Pharmaceutical Botany**—31 continued. Second semester.

34. **The Study of Woods**—Structure, growth-rings, heart wood, sap wood, soft woods, hard woods, porosity, grain, knots, density, durability. Two hours lecture. Two to four hours laboratory. Two hours credit. Second semester. PROFESSOR BESSEY.

- *35. **General Bacteriology**—Laboratory methods, morphology, physiology and taxonomy of bacteria; systematic study of non-pathogenic forms and bacteriological analysis. Two hours lecture. Four hours laboratory. Two hours credit. First semester.

PROFESSOR BESSEY, ADJUNCT PROFESSOR HEALD.

- *36. **General Bacteriology**—35 continued. Second semester.

- 36-a. **Elementary Bacteriology** (School of Domestic Science) — A study in bacteria, including methods of culture, their morphology and physiology, followed by a study of yeasts and saprophytic fungi. Prerequisite: General Botany 1 or its equivalent. Three hours lecture. Six hours laboratory. Three hours credit. Second semester. ADJUNCT PROFESSOR HEALD.

- *37. **Special Bacteriology**—Special problems in the physiology and taxonomy of bacteria, bacteriological analysis, relative to agriculture, dairying, etc., may be selected upon approval by the instructor. Six to ten hours' laboratory work. Two to three hours credit. First semester.

ADJUNCT PROFESSOR HEALD.

- *38. **Special Bacteriology**—37 continued. Second semester.

39. **Agricultural Botany** (School of Agriculture)—An elementary study of structure and physiology, followed by an examination of selected types, especial emphasis being given to economic importance. Three hours lecture. Six hours laboratory. Three hours credit. First semester. PROFESSOR BESSEY, MR. SHANTZ.

40. **Agricultural Botany**—39 continued. Second semester.

- *41. **Dendrology**—The tree as a whole—root, stem, leaf. Ecology of the forest. Forests of North America. Study of selected trees. Three hours lecture. Six hours laboratory. Three hours credit. Second semester. PROFESSOR BESSEY.

TEACHERS' COURSES

(Neither Minors nor Majors.)

42. **Lecture Course for Teachers**—(1) Present day botany and botanists; (2) teaching of botany. One hour lecture. One hour credit. Second semester. PROFESSOR BESSEY.
43. **Nature Study**—This course involves a rapid survey of plant types to familiarize the student with the plant material available in the laboratory and the field. It treats in detail of methods of presentation, grade sequence, etc. This course must be taken in conjunction with Zoology 28. One hour lecture. Two hours laboratory and field work. One hour credit. First semester. ASSISTANT PROFESSOR CLEMENTS.
44. **Nature Study**—43 continued. Second semester.

CHEMISTRY

PROFESSOR NICHOLSON, ASSISTANT PROFESSOR DALES, ADJUNCT PROFESSOR BOUTON, MR. JACOBSON, MISS FOSSLER.

Courses A, B, 1, 2, 3 and 4 give a general knowledge of the aims, principles and methods of modern science. These courses fit students to teach chemistry in the high schools of the state. They serve also as a foundation for thorough and exact scientific training. In them the student is given a general survey of the field of chemistry, both inorganic and organic, including the nature of chemical processes and the use of chemical apparatus. Habits of accurate observation are inculcated.

All instruction is by the lecture laboratory method. Lectures prepare the student for his laboratory work and emphasize and co-ordinate the facts that he there learns.

The following sequence of courses is recommended for students in the general groups who are specializing in chemistry. Deviation from the plan should not be made except upon the approval of Professor Nicholson and the instructors concerned:

First year—Courses 1 and 2.

Second year—Courses 3, 4, 5 and 6.

Third year—Courses 7, 8 and 26.

Fourth year—Courses 18, 21, 22, 25, 27 and 28.

Two technical groups are offered, chemical engineering and mining engineering. The first is designed for students of chemistry who desire to fit themselves for industrial positions. Of the second group only three years are offered at present. Students completing satisfactorily the work of these three years will be recommended for admission to the fourth year at the mining school of their choice.

COURSES

GENERAL AND INORGANIC CHEMISTRY

A. General Chemistry—This course comprises a review of the principal non-metallic elements, after which the study of the chief base-forming elements is taken up. It is designed for students deficient in entrance requirements in chemistry. Four hours attendance. Eight hours laboratory. Four hours credit. First semester.
PROFESSOR NICHOLSON AND ASSISTANT.

B. General Chemistry--A continued. Second semester.

1. Metallic or Base-Forming Elements—A careful study of the occurrence methods of preparation, and properties of the common elements and their chief compounds. Two hours attendance. Four hours laboratory. Two hours credit. First semester.

PROFESSOR NICHOLSON.

2. Metallic or Base-Forming Elements—1 continued. Second semester.

***26. History of Chemistry**—Lectures for advanced students, including the working up of an assigned topic by each member of the class. Must be preceded by courses 1, 2, 3 and 4. Two hours attendance. Two hours credit. Second semester. PROFESSOR NICHOLSON.

***28. Advanced Inorganic Chemistry**—The elements are discussed in the order in which they occur in the Periodic Table. Special consideration is given to the properties of the groups and to their relations to one another. The rarer elements are given the same detailed treatment as are the common ones. The lectures are illustrated by experiments. Must be preceded by courses 1, 2, 3, 4 and 5 (or 9 in lieu of 5). Three hours attendance. Three hours credit. Second semester. ASSISTANT PROFESSOR DALES.

29. **Methods of Teaching Elementary Chemistry**—Lectures, with four hours a week of practical work in the laboratory. This course is intended for candidates for the University teacher's certificate in chemistry. Registration is limited to ten students each semester. Must be preceded by courses A, B (or 1, 2), 3, and 4. Two hours attendance. Three hours credit. First semester.
PROFESSOR NICHOLSON.
30. **Methods of Teaching Elementary Chemistry** — 29 continued. Second semester.
- *37. **Chemical Journal Club**—For advanced students. A review, made by the members of the club, of the most recent work in the field of chemistry as shown in the current literature. Each member is assigned one or more of the journals and reports at stated intervals during the year. One hour attendance. One hour credit for one year.
ASSISTANT PROFESSOR DALES.
- *38. **Chemical Journal Club**—37 continued. Second semester.

ANALYTICAL CHEMISTRY

5. **Qualitative Analysis**—Special study of characteristic reactions for acid and base-forming elements, and the application of these to analytical purposes. Must be preceded by courses 1 and 2. Three hours lecture, six hours laboratory. Three hours credit. First semester.
ASSISTANT PROFESSOR DALES.
6. **Qualitative Analysis**—5 continued. Second semester.
- *7. **Quantitative Analysis**—Gravimetric determinations of the more important bases and acids, including several complete analyses of ores, limestones, alloys, etc. Must be preceded by courses 1, 2, 5, and 6 (or 9 and 10 in lieu of 5 and 6). Five hours attendance, ten hours laboratory. Five hours credit. First semester.
ASSISTANT PROFESSOR DALES.
- *8. **Quantitative Analysis**—7 continued. Volumetric analysis, including alkalimetry and acidimetry, oxidimetry, iodimetry, and precipitation methods. The course includes also elementary electrolytic analysis. Five hours attendance, ten hours laboratory. Five hours credit. Second semester.
ASSISTANT PROFESSOR DALES.

9. **Qualitative Analysis**—Elementary course, primarily for technical students. Must be preceded by courses 1 and 2. Two hours attendance, four hours laboratory. Two hours credit. First semester.
MR. JACOBSON.
10. **Quantitative Analysis**—Primarily for technical students. Must be preceded by courses 1, 2, and 9. Two hours attendance, four hours laboratory. Two hours credit. Second semester.
MR. JACOBSON.
12. **Water Analysis**—Sanitary analysis of water, with interpretations of results. Must be preceded by courses 1, 2, 3, and 4, or 1, 2, 9, and 10. Two hours lecture, four hours laboratory. Two hours credit. Second semester.
MR. JACOBSON.
- *18. **Gas Analysis**—Instruction is given in the analysis of gas mixtures with the apparatus of Honigmann, Bunte, Orsat, Lunge, and Hempel, in the complete analysis of illuminating gas, generator gas, acetylene and air and in the use of nitrometers, etc. Must be preceded by courses 1, 2, 9, and 10, or their equivalents. One hour lecture, five hours laboratory. Two hours credit. Second semester.
ASSISTANT PROFESSOR DALES.
- *19. **Sugar Analysis**—Chemical properties of the sugars. Determination of sugars by (a) optical methods, (b) chemical methods. Laboratory work includes analysis of beets, refined and raw sugars, massecuites, syrups, and molasses. Must be preceded by courses 1, 2, 3, and 4, or 1, 2, 9, and 10. Two hours lecture four hours laboratory. Two hours credit. First semester.
MR. JACOBSON.
- *20. **Sugar Analysis**—19 continued. Analytical methods applied in sugar factory control. Analysis of factory products, by products, waste products, and raw material. Two hours lecture, four hour laboratory. Two hours credit. Second semester.
MR. JACOBSON.
- *21. **Assaying**—Qualitative examination of ores. Blow-pipe and chemical tests for the common ores and minerals. Principles of fire assays for gold silver, and lead in ores and metallurgical products. Must be preceded by courses 1, 2, 9, and 10. Two hours lecture, four hours laboratory. Two hours credit. First semester.
MR. JACOBSON.

- *22. **Assaying**—21 continued. Includes volumetric and gravimetric methods for the determination of silver, copper, zinc, lead, tin and iron. Two hours lecture, four hours laboratory. Two hours credit. Second semester. MR. JACOBSON.
- *39. **Advanced Analytical Chemistry**—Intended for those who wish a more extended knowledge of chemical analysis than that offered in courses 7 and 8. Laboratory practice giving the student preliminary work leading to analytical research. Ten hours laboratory. Five hours credit. First semester. ASSISTANT PROFESSOR DALES.
- *40. **Advanced Analytical Chemistry**—39 continued. Second semester.
- *41. **Urine Analysis**—A discussion of the chemical composition of this secretion in health and in disease, and the teaching of methods for the detection of abnormal constituents. Must be preceded by courses 1, 2, 3, and 4. Two hours lecture, four hours laboratory. Three hours credit. First semester. MISS FOSSLER.

ORGANIC AND PHYSIOLOGICAL CHEMISTRY

3. **Organic Chemistry**—The aliphatic series; a discussion of the important classes of organic substances, supplemented by the preparation, in the laboratory, of typical compounds. Must be preceded by courses 1 and 2. Three hours lecture, six hours laboratory. Three hours credit. First semester. MISS FOSSLER.
4. **Organic Chemistry**—The benzol series; treated in the same general manner as course 3 in regard to subject matter and laboratory preparations. Must be preceded by courses 1, 2, and 3. Three hours lecture, six hours laboratory. Three hours credit. Second semester. MISS FOSSLER.
- *15. **Advanced Organic Chemistry**—This course is intended for those who wish a more extended knowledge of organic chemistry than that offered in courses 3 and 4, or who wish to specialize in the subject. Must be preceded by courses 1, 2, 3, 4, 5, 6, 7, and 8. Three hours attendance, six hours laboratory. Three hours credit. First semester. PROFESSOR NICHOLSON.
- *16. **Advanced Organic Chemistry**—15 continued. Second semester.
- *33. **Physiological Chemistry**—A study of the organic compounds and chemical processes of physiological importance. Especially useful

in subsequent study of practical medicine. Must be preceded by courses 1, 2, 3, and 4. Two hours lecture, four hours laboratory. Two hours credit. First semester. MISS FOSSLER.

*34. **Physiological Chemistry**—33 continued, Second semester.

*42. **Toxicology**—The object of the course is to familiarize the student with the physiological properties of and methods for detecting poisons. Must be preceded by courses 1, 2, 3, and 4. Two hours lecture, four hours laboratory. Two hours credit. Second semester. MISS FOSSLER.

PHYSICAL CHEMISTRY

25. **Physical Chemistry**—Elementary course; the general principles of physical chemistry, with applications; especially designed for students in the general and analytical courses. Must be preceded by courses 1, 2, 5, and 6. Two hours lecture. Two hours credit. First semester. ASSISTANT PROFESSOR DALES.

27. **Physical Chemistry**—Laboratory course. A practical study of those methods of most general application to chemistry. May be taken with or after course 25. Six hours laboratory. Two hours credit. First semester. ASSISTANT PROFESSOR DALES.

[*31. **Physical Chemistry**—More advanced study of the properties of gaseous, liquid, and solid substances, the laws of mass-action, of vapor and of osmotic pressure, the theories of solution electrolytic dissociation, and the laws of affinity and thermo-chemistry. Must be preceded by courses 1, 2, 5, 6, and 25. Two hours lecture. Two hours credit. First semester.
Not given in 1904-1905. Given in 1905-1906.

ASSISTANT PROFESSOR DALES.]

[*32. **Physical Chemistry**—31 continued. Second semester.]

TECHNICAL AND METALLURGICAL CHEMISTRY

*23. **Technical Chemistry**—For engineers. Analyses of fuel, technical products, the determination of the calorific value of fuels, etc. Must be preceded by courses 1, 2, 9, and 10. Three hours lecture, six hours laboratory. Three hours credit. First semester.

PROFESSOR NICHOLSON.

*24. **Technical Chemistry**—23 continued. Second semester.

- *35. **Metallurgical Chemistry**—The precious metals, gold, silver, and platinum. Must be preceded by courses 21 and 22. Two hours lecture, four hours laboratory. Two hours credit. First semester.

PROFESSOR NICHOLSON.

- *36. **Metallurgical Chemistry**—35 continued. The base metals, copper, tin, lead, zinc, etc. Second semester.

43. **Electro-chemistry**—Electro-metallurgy; the preparation of compounds in the electric furnace; the electrolytic manufacture of inorganic and organic compounds, etc. Must be preceded by courses 1, 2, 5, and 6, or 1, 2, 9, and 10. Three hours lecture. Three hours credit. First semester.

ASSISTANT PROFESSOR DALES.

SANITARY CHEMISTRY

13. **Chemistry of Food and Household Sanitation**—Analysis of food materials and the detection of adulterations. Methods of softening water, study of soap, washing powders, polishing powders, disinfectants, antiseptics, etc. Must be preceded by courses A, B (or 1, 2), 9, and 10. Two hours lecture, four hours laboratory. Two hours credit. First semester.

ADJUNCT PROFESSOR BOUTON.

14. **Chemistry of Food and Household Sanitation**—13 continued. Second semester.

DAIRY HUSBANDRY

ASSOCIATE PROFESSOR HAECKER.

2. **General Survey of Home Dairying**—A general survey. Composition of milk and dairy products. Production, handling, testing, and uses of milk. The creaming of milk by the various kinds of centrifugal separators. Ripening, testing, and churning of cream. Making, scoring, and marketing butter. The principles of making cheese, and making Gouda cheese. The use of the lactometer. Dairy breeds and dairy stock-judging. The care, feeding, and management of the dairy herd. Text-book. Two hours attendance. Four hours laboratory. Two hours credit. Second semester.

ASSOCIATE PROFESSOR HAECKER.

4. **Economic Dairying**—Advanced study in dairy husbandry. Must be preceded by course 2. Text-book, with readings in station bulletins and publications. Two hours attendance. Two hours credit. Second semester.

ASSOCIATE PROFESSOR HAECKER.

6. **Dairy Husbandry**—Advanced course. Must be preceded by courses 2 and 4. Advanced studies in experiment station findings. A reading course with one lecture a week. Three hours credit. Second semester. ASSOCIATE PROFESSOR HAECKER.
7. **A General Study of Home Dairying**—(School of Agriculture.)—Secretion, composition and production of milk. Practice with the various makes of centrifugal hand separators. Butter making, milk and cream testing. Two hours attendance. Four hours laboratory. Two hours credit. First term. ASSOCIATE PROFESSOR HAECKER.
8. **General Study of Home Dairying**—7 continued. (School of Agriculture.) Practice with the lactometer. Cheese making. Care and judging of dairy stock. Milk and its products. Two hours attendance. Four hours laboratory. Two hours credit. Second term. ASSOCIATE PROFESSOR HAECKER.

DOMESTIC SCIENCE

ADJUNCT PROFESSOR BOUTON, MISS PHILBRICK

The instruction in this department relates to the practical problems of home life. Special attention is given to the physiological, economic, and sociological questions which form a legitimate part of this work. Instruction is given by the lecture-laboratory method.

COURSES

1. **General Cookery**—The study of general principles with their application in cooking all types of food, consideration of money and nutritive values of food materials. Three hours attendance. Six hours laboratory. Three hours credit. First semester. ADJUNCT PROFESSOR BOUTON, MISS PHILBRICK.
2. **General Cookery**—1 continued. Second semester.
3. **Advanced Cookery**—Advanced course. Preservation of foods, invalid cookery, serving of meals, study of dietaries, etc. Three hours attendance. Six hours laboratory. Three hours credit. First semester. ADJUNCT PROFESSOR BOUTON, MISS PHILBRICK.
4. **Advanced Cookery**—3 continued. Second semester.
5. **Household Economics**—Study of house plans and furnishings; problems of ventilation, heating, lighting, and plumbing; division of income, domestic service, etc. Two hours attendance. Two hours credit. First semester. ADJUNCT PROFESSOR BOUTON.

6. **Household Economics**—5 continued. Second semester.
7. **Management and Care of the Home**—Original investigation of problems. Must be preceded by courses 1, 2, 5, and 6. Two hours attendance. Two hours credit. First semester.
ADJUNCT PROFESSOR BOUTON.
8. **Management and Care of the Home** — 7 continued. Second semester.
9. **Methods of Teaching Domestic Science**—This course affords practice work in the public schools. Two hours attendance. Three hours credit.
ADJUNCT PROFESSOR BOUTON.
10. **Methods of Teaching Domestic Science**—9 continued. Second semester.

EDUCATION

PROFESSOR LUCKEY, ADJUNCT PROFESSOR SMITH, MISS ALLEN.

The courses in the department of education are intended primarily for juniors, seniors and graduates, but are open to other students who are sufficiently qualified to pursue the work with profit. The courses are arranged in sequence and are most helpful when pursued in the order given below. Students are advised to confer with the head of the department before registering.

All students who desire to receive the university teacher's certificate should consult with the head of the department regarding the proper grouping of their studies not later than one year prior to the time when they anticipate receiving the certificate. The required courses in education for the teacher's certificate are 1, 2, 4, and any two from the following: 3, 5, 6, 7, 8. As a substitute for one of the latter courses the student may elect a special teacher's course offered by the department in which he is taking his special work. (See statement under the special collegiate courses.) Special teachers' courses are offered on the various academic subjects and are found scheduled under the head of the different departments.

A knowledge of psychology is necessary for entrance to courses 4 and 8. Courses 9 to 20, inclusive, are open only to advanced students of the department, or to teachers of experience who are qualified to undertake research and investigation.

COURSES

1. **History of Education**—Ancient and mediæval, beginning with the earliest periods and extending to the time of Pestalozzi; a study of the physical, moral and intellectual development of mankind, including man's effort to realize his ideals through systems of education. Three hours attendance. Three hours credit. First semester. PROFESSOR LUCKEY, MISS ALLEN.
2. **History of Modern Education**—From the time of Pestalozzi to the present, including the beginning, growth, and present condition of education in America. Three hours attendance. Three hours credit. Second semester. PROFESSOR LUCKEY, MISS ALLEN.
3. **Educational Classics**—Includes a historical and critical study of the educational writings of Rousseau, Pestalozzi, Herbart, Froebel and Spencer; a valuable preparation for course 4. Herbart's *Science of Education*, Froebel's *Education of Man*, and Spencer's *Education* are the works for 1904-1905. Two hours attendance. Two hours credit. First semester. PROFESSOR LUCKEY.
4. **Child Study**—A study of the physiology and psychology of childhood, with special reference to the pedagogical principles involved; a careful study of the literature and investigations on the study of children; a thorough discussion of the methods used in child study; the effect of child study on methods of instruction; school management, and other subjects of scientific pedagogy. Two hours attendance. Two hours credit. Second semester. PROFESSOR LUCKEY.
5. **Systems of Education**—Their origin and development, including a comparative study of the leading systems of education in Europe and America. Two hours attendance. Two hours credit. First semester. PROFESSOR LUCKEY.
6. **School Supervision**—The organization and management of schools, correlation of studies, text-books, promotions, discipline, teachers' meetings, etc. Visits to different schools are made and the practical application of the theories discussed. Observation and practice teaching is provided to a limited extent. Must be preceded by courses 1, 2 and 5. Two hours attendance. Two hours credit. Second semester. PROFESSOR LUCKEY.

- 7. Method of Instruction**—A critical study of the historical development of the various methods used in teaching elementary and secondary studies, including brief criticisms of present methods, and lectures from various members of the faculty with reference to the methods of teaching their subjects in secondary schools. Stress is placed upon the proper correlation of studies, the relation of one subject to another, and the fundamental principles of method underlying the teaching of all subjects. This course on general method deals with all the subjects taught in the public schools. It can be supplemented by special method courses as found in the different departments. Two hours attendance. Two hours credit. First semester.

PROFESSOR LUCKEY, ADJUNCT PROFESSOR SMITH.

- *8. Educational Psychology**—The educational aspects of those problems of psychology which have a direct bearing upon teaching. Open to students having had courses 1 and 2 in philosophy. Two hours attendance. Two hours credit. Second semester.

PROFESSOR LUCKEY.

- *9. Secondary Education**—(1) Historical development in the high school. (2) Modern high school problems from the points of view of its evolution, and of the recent studies in adolescence. (3) Private and public secondary schools in Nebraska. The course is planned especially for those who intend to teach in high schools or to take up the work of superintendence. Assigned readings, observation, reports, and discussions. One or two hours attendance. One or two hours credit. First semester.

ADJUNCT PROFESSOR SMITH.

- 10. Secondary Education**—9 continued. Second semester.

- *11. Graduate Seminary**—Devoted to special problems in educational psychology, child study, and the philosophy of education. Lectures, papers, and discussions. Two hours attendance. Two hours credit. First semester.

PROFESSOR LUCKEY, ADJUNCT PROFESSOR SMITH.

- *12. Graduate Seminary**—11 continued. Second semester.

- *13. Philosophy of Education**—A study of the principles underlying all education, and their influence in determining the material, curricula, and methods of instruction. Lectures, discussions, and private readings. Two hours attendance. Two hours credit. First semester. Alternates with course 11. PROFESSOR LUCKEY.

- *14. **Philosophy of Education**—13 continued. Second semester.
- *15. **Seminary II.**—Current educational literature and the professional training of teachers. One hour attendance. One hour credit. First semester. PROFESSOR LUCKEY.
- *16. **Seminary II.**—15 continued. Second semester.
- *17. **Adolescence**—The health, growth, mental and moral development of youth as related to the various problems of secondary education, such as attendance, interest, study, discipline, purpose, character. Open to students who have completed courses 1, 2 and 4. One hour attendance. One hour credit. First semester. PROFESSOR LUCKEY.
- *18. **Adolescence**—17 continued. Second semester.
- *19. **The Pedagogy of the Gospels**—From the point of views of modern studies in pedagogy and psychology. It is planned for those who are interested in Sunday-school work and the work of the Young Men's Christian Association and Young Women's Christian Association, as well as for those who wish to study the methods of secular schools. One hour attendance. One hour credit. First semester. ADJUNCT PROFESSOR SMITH.
- *20. **The Pedagogy of the Gospels**—19 continued. Second semester.

ELOCUTION

MISS HOWELL

1. **Evolution of Expression**—The aim is to secure naturalness and sincerity in reading and speaking, to preserve the individuality of the student, to overcome difficulties in articulation, and to obtain freedom from self-consciousness. Analysis and vocal interpretation of selections from great orators, essayists, dramatists, and poets; voice culture; elementary work in gesture; class recitals. Three hours attendance. Two hours credit. First semester. MISS HOWELL.
2. **Evolution of Expression**—1 continued. Second semester.
3. **Evolution of Expression**—Sketches of character types; interpretation and dramatic study of *The Merchant of Venice* and *Macbeth*; voice culture; drill work in gesture; lectures on the physiology and psychology of gesture; recitals. Three hours attendance. Two hours credit. First semester. MISS HOWELL.
4. **Evolution of Expression**—3 continued. Second semester.

5. **Perfective Laws**—The higher criteria of criticism applied to the results attained by practicing the principles set forth in evolution of expression; presentation of scenes from *Hamlet* and *As You Like It*, with criticism and character analysis. Lectures on voice and gesture. Three hours attendance, Two hours credit.
MISS HOWELL.
6. **Perfective Laws**—5 continued. Second semester.
7. **Normal and Drill Work in Expression**—Extemporaneous speaking. Public recitals. Three hours attendance. Two hours credit.
MISS HOWELL.
8. **Normal and Drill Work in Expression**—7 continued. Second semester.

ENGINEERING

Since the underlying principles of the different branches into which engineering is divided are the same, the instruction during the year is identical, and in the second year nearly so, for all engineering students.

Encouragement is offered to students in the general groups or elective courses of the University to select electives with a view to being prepared to take up the technical work of the engineering groups after graduation from the general group. Under such an arrangement, the engineering work usually requires an additional two years of a student's time, making a total of six years for the double course.

Tours of inspection to points interesting to students of engineering are made under the direction of the several departments.

Three hours in the engineering laboratories, in shops, in drawing rooms, or on field work, are, with the necessary preparation, counted as equivalent to one hour in the class room.

CIVIL ENGINEERING

PROFESSOR STOUT, ASSISTANT PROFESSOR CHATBURN, MR. GREEN.

5. **Surveying**—Two hours attendance. Six hours field. Four hours credit. First semester.
MR. GREEN.
6. **Surveying**—5 continued. Second semester.
7. **Railroad Engineering**—Given with or without field work, according to the experience and attainments of students. Must be preceded by courses 5 and 6, and is open only to students in the last year of residence, or those who have had field experience. Two hours lecture. Six hours field. Four hours credit. First semester.
MR. GREEN.

11. **Hydraulics**—Two hours attendance. Two hours credit. First semester. PROFESSOR STOUT.
12. **Irrigation Engineering**—Course 11 required. Grades, cross-section and capacity of canals; surveys, designs of structures; source of water supply; analysis of hydrographic data; Nebraska streams; return and seepage waters; irrigation by pumping; organization; administration; legal and economic principles. Three hours attendance. Three hours credit. Second semester. PROFESSOR STOUT.
13. **Water Supply for Cities**—Course 11 required. Three hours attendance. Three hours credit. First semester. PROFESSOR STOUT.
14. **Cleaning and Sewerage of Cities**—Course 11 required. Three hours attendance. Three hours credit. Second semester. PROFESSOR STOUT.
15. **Design of Framed Structures**—Course 16 required. Three hours attendance. Three hours credit. First semester. PROFESSOR STOUT.
16. **Stresses in Framed Structures**—Courses 18 and 27 required. Four hours attendance. Four hours credit. Second semester. ASSISTANT PROFESSOR CHATBURN.
18. **Theoretical and Applied Mechanics**—Concise treatment of the principles of kinematics, statics and kinetics. Must not be taken before calculus is begun. Three hours attendance. Three hours credit. Second semester. ASSISTANT PROFESSOR CHATBURN.
19. **Stereotomy** — Drawing and laboratory. Two hours attendance. Two hours credit. First and second semesters. ASSISTANT PROFESSOR CHATBURN.
21. **Roads, Streets, and Pavements**—Lectures, assigned readings and reports. Two hours attendance. Two hours credit. First semester. ASSISTANT PROFESSOR CHATBURN.
22. **Masonry Construction**—Course 18 required. Four hours attendance. Four hours credit. Second semester. PROFESSOR STOUT.
25. **Civil Engineering Laboratory**—Testing machines and measuring instruments. Experiments by students to show the properties of

the materials of construction. All results to be filed in form for future reference. Course 18 required. Six hours laboratory. Two hours credit. First semester.

ASSISTANT PROFESSOR CHATBURN.

26. **Materials of Construction**—Manufacture and general properties. Study of the mechanical properties of materials as revealed by actual tests. Examination and comparison of tests reported by other laboratories. Continuation of tests begun in course 25. One hour attendance. Three hours laboratory. Two hours credit. Second semester.

ASSISTANT PROFESSOR CHATBURN.

27. **Mechanics of Materials**—Course 18 required. Two hours attendance. Three hours laboratory. Three hours credit. First semester.

ASSISTANT PROFESSOR CHATBURN.

29. **Hydraulic Engineering**—Course 11 required. Hydraulic development for purposes of drainage, power, and transportation. Includes collection and analysis of hydrographic data, and the principles involved in the design of reservoirs, canals, levees and structures. Three hours attendance. Three hours credit. First semester.

PROFESSOR STOUT.

30. **Exploratory Surveying**—Designed for students of forestry. Course 5 required. One hour attendance. Three hours field work. Two hours credit. Second semester.

MR. GREEN.

31. **Timber Physics**—The physical properties of timber. This course is intended for students of forestry. One hour attendance. Three hours laboratory. Two hours credit. First semester.

ASSISTANT PROFESSOR CHATBURN.

32. **Timber Physics**—31 continued. Second semester.

ELECTRICAL ENGINEERING

PROFESSOR MORSE, ADJUNCT PROFESSOR EVANS

The special instruction in electrical engineering begins with the third year. It deals first with the underlying principles, and later with the industrial applications of electricity.

The work in the electrical engineering laboratory is designed to combine illustrations of theories with practice in the operation and testing of electrical apparatus.

COURSES

1. **Dynamos**—Theory and practice of direct current machinery. Two hours attendance. Two hours credit. First semester.
PROFESSOR MORSE.
2. **Dynamos**—1 continued. Second semester.
3. **Electric Power**—Elementary principles. Industrial applications. For students in civil and mechanical engineering. Two hours attendance. Two hours credit. First semester.
ADJUNCT PROFESSOR EVANS.
5. **Alternating Currents**—Theory and practice of alternating current machinery. Courses 1 and 2 required. Four hours attendance. Four hours credit. First semester. PROFESSOR MORSE.
8. **Electrical Laboratory**—Practice in operating and testing dynamos, motors, transformers, and subsidiary apparatus. Course 1 required. Six hours laboratory. Two hours credit. Second semester.
ADJUNCT PROFESSOR EVANS.
9. **Electrical Laboratory**—8 continued. Nine hours laboratory. Three hours credit. First semester. ADJUNCT PROFESSOR EVANS.
10. **Thesis**—Graduating thesis on approved subject demanding knowledge of engineering. Four hours credit.
PROFESSOR MORSE, ADJUNCT PROFESSOR EVANS.
12. **Elementary Electrical Engineering**—(School of Mechanic Arts.) Elementary principles underlying the industrial applications of electricity. A comprehensive course. Two hours attendance. Two hours credit. Second semester.
ADJUNCT PROFESSOR EVANS.
- *16. **Technical Reports**—One hour attendance. One hour credit. Second semester. PROFESSOR MORSE.
- *17. **Electric Lighting**—Distributing systems. Lamps, electric and other. Photometry. Effective lighting. Rules for wiring. Lighting stations. Courses 1 and 2 required. Two hours attendance. Two hours credit. First semester. PROFESSOR MORSE.
- *18. **Electro-Chemical Engineering**—Batteries. Electric furnaces. Production of aluminum and other metals. Refining and deposition of metals and electrolysis. Two hours attendance. Three hours credit. Second semester. ADJUNCT PROFESSOR EVANS.

- *19. **Telephone Engineering**—History. Line construction. Telegraph and telephone instruments, switchboards, and circuits. Two hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR EVANS.

20. **Electric Railways**—History. Construction and operation. Following courses 1 and 2. Two hours attendance. One hour credit. Second semester.

PROFESSOR MORSE.

MECHANICAL ENGINEERING

PROFESSOR RICHARDS, MR. VOTAW, MR. PAYNE, MR. DEAN, MR. BROWN

The courses in mechanical engineering deal with problems relating to the generation and transmission of power, and the design, construction, and operation of machinery.

To illustrate the work properly, the department is provided with well equipped shops and laboratories. Here the student becomes familiar with the details of mechanical construction and with the management, care, and theory of engineering apparatus of various kinds.

No student should register for the shop courses unless he is taking, or has taken, some one of the courses in mechanical drawing.

COURSES

1. **Wood Work**—Bench work in wood and wood-turning; lectures on wood-working tools and machinery, timber, etc. One hour attendance. Eight hours shop work. Three hours credit. First semester.
MR. BROWN
2. **Pattern-Making and Foundry Practice**—Construction of patterns, core-boxes, etc.; molding and casting; lectures on pattern-making, foundry work, and the metallurgy of cast iron. Course 1 required. One hour attendance. Eight hours shop work. Three hours credit. Second semester.
MR. VOTAW.
3. **Iron and Steel Forging**—Practice in forging, welding, tempering, etc.; lectures on forging tools and machinery, and the metallurgy of iron and steel. This course is repeated during the second semester, if fifteen students desire it. One hour attendance. Eight hours shop work. Three hours credit. First semester.
MR. VOTAW.
4. **Filing, Chipping, and Scraping**—Exercises in the use of the cold chisel, file, and scraper. Six hours shop work. Two hours credit. Second semester.
MR. PAYNE.

- 5. Machine Work in Metals**—Exercises in the use of the engine, lathe, planer, shaper, milling machine, etc.; machine construction; lectures on machine tools, etc. One hour attendance. Five hours shop work. Two hours credit. First semester. MR. PAYNE.
- 6. Machine Work in Metals**—5 continued. Six hours shop work. Two hours credit. Second semester. MR. PAYNE.
- 6a. Machine Work**—Similar to course 5. One hour attendance. Eight hours shop work. Three hours credit. Second semester. MR. PAYNE.
- *9. Valve Mechanism**—The analytical and graphical methods employed in the design of various forms of steam engine valves and valve gears, link motions, etc. Course 10 required. One hour attendance. Three hours drawing. Two hours credit. First semester. PROFESSOR RICHARDS.
- *10. Steam Engineering**—A discussion of the forms and mechanism of steam machinery, including engines, boilers, and auxiliary steam appliances, with special reference to its economy of operation and adaptability to a given service; together with a study of the elementary theory of heat engines. Differential and integral calculus and applied mechanics required. Four hours attendance. Four hours credit. Second semester. PROFESSOR RICHARDS.
- *11. Steam Boilers**—A study of the design and construction of steam boilers, furnaces, settings, etc., with special reference to their safety and economy of operation. Course 10 required. Two hours attendance, occasional drawing; two hours credit. First semester. PROFESSOR RICHARDS.
- *12. Thermodynamics**—An advanced study of the thermodynamics of gases and vapors, and the applications of the science to heat engines, injectors, refrigerating machinery, etc. Course 10 required. Four hours attendance. Four hours credit. Second semester. PROFESSOR RICHARDS.
- 13. The Mechanics of Pumping Machinery**—A study of the theory of pumps and other appliances for elevating water. This course will alternate with course 31; both courses will not be given the same year. Hydraulics required. Three hours attendance. Three hours credit. First semester. PROFESSOR RICHARDS.

- *15. Mechanical Engineering Laboratory**—Proximate analyses of coal; the determination of the heating value of coal, gas, and oil; the testing of lubricants and friction. Six hours laboratory. Two hours credit. First semester. MR. DEAN.
- 16. Mechanical Engineering Laboratory**—Calibration of instruments, indicator practice, valve setting, efficiency tests of engines and boilers, injectors, pumps, gas engines. The measurement of power. Nine hours laboratory. Three hours credit. Second semester. MR. DEAN.
- 16a. Mechanical Engineering Laboratory**—Similar to course 16. Required of students in electrical engineering. Six hours laboratory. Two hours credit. Second semester. MR. DEAN.
- *17. Mechanical Engineering Laboratory**—16 continued. Six hours laboratory. Two hours credit. First semester. MR. DEAN.
- *18. Experimental Mechanical Engineering**—Lectures and recitations on the methods of engineering testing. Three hours attendance. Three hours credit. Second semester. PROFESSOR RICHARDS.
- 19. Elementary Engineering**—(School of Mechanic Arts.) Two hours attendance. Two hours credit. First semester. MR. DEAN.
- 20. Elementary Engineering**—19 continued. Second semester.
- 21. Elementary Engineering**—20 continued. First semester.
- 23. Steam Machinery**—(School of Mechanic Arts.) Two hours attendance. Two hours credit. First semester. MR. DEAN.
- 23a. Operation of Engines and Boilers**—(School of Mechanic Arts.) Three hours laboratory. One hour credit. First semester. MR. DEAN.
- *25. Internal Combustion Engines**—The theory and design of gas, gasoline, and oil engines. Course 10 required. Occasional drawing. Three hours attendance. Three hours credit. First semester. PROFESSOR RICHARDS.
- 26. Air Brakes**—A study of the construction and operation of the different systems of air brakes. Occasional laboratory work. Two hours attendance. Two hours credit. Second semester. MR. DEAN.

- *29. Power Transmission**—A discussion of the transmission of power, by shafting, belts, ropes, water, compressed air, gas. Two hours attendance. Two hours credit. First semester.

PROFESSOR RICHARDS.

- *30. Locomotive Design**—The design of some of the principal parts of the locomotive. Five hours drawing. One hour attendance. Two hours credit. Second semester.

MR. DEAN.

- *31. Hydraulic Motors**—The theory of the different water wheels, turbines. This course will alternate with course 13; both courses will not be given the same year. Three hours attendance. Three hours credit. First semester.

PROFESSOR RICHARDS.

MECHANICAL DRAWING AND MACHINE DESIGN

ASSISTANT PROFESSOR PRICE

- 1. Mechanical Drawing**—Nine hours drawing a week in lettering, free-hand sketching, geometrical construction, and projection, working drawings of machine parts. Three hours credit. First semester.

ASSISTANT PROFESSOR PRICE.

- 2. Descriptive Geometry**—Two hours attendance and seven hours drawing a week, comprising (a) text-book work on the solution of problems relating to geometrical magnitudes in space, and their representation by drawings; (b) practical application of the principles of descriptive geometry to working drawings. Three hours credit. Second semester.

ASSISTANT PROFESSOR PRICE.

- 3. Mechanism**—Two class-room periods and six hours drawing a week as follows: (a) text-book work on the solution of problems in kinematics, including the study of gearing, link-work, wrapping connectors and cams; (b) constructive mechanism, and the design of elementary combinations, taking account of their motion, and, in rudiment, their strength. Must be preceded by courses 1 and 2. Four hours credit. First semester.

ASSISTANT PROFESSOR PRICE.

- 3a. Mechanism**—Same as 3, but only three hours drawing. For civil engineering students. Three hours credit.

- 5. Machine Design**—An elementary course embracing the design of shafting and shaft-couplings, pulleys and fly-wheels, power-screws, bearings and guides, and all fastenings involved. Nine hours drawing a week. Must be preceded by courses 1 and 2. Three hours credit. First semester.

ASSISTANT PROFESSOR PRICE.

6. **Machine Design**—The design of several complete machines. From the design of a small and a large machine of a line of similar ones, the student prepares a table of proportions for the intermediate sizes. Nine hours drawing a week. Must be preceded by courses 1, 2, 3 and 5. Three hours credit. Second semester.

ASSISTANT PROFESSOR PRICE.

8. **Steam Engine Design**—Working from an assumed indicator card, each student designs the principal dimensions of a high-speed automatic cut-off engine. A combination of parts is then assigned to each student and the details designed. Finally each student reports upon his particular designs for the benefit of the other members of the class. Six hours drawing a week. Must be preceded by courses 1, 2, 3 and 5. Two hours credit. Second semester.

ASSISTANT PROFESSOR PRICE.

9. **Mechanical Drawing**—Substantially as in course 1. Required of first-year students in the School of Mechanic Arts. Six hours drawing a week. Two hours credit. First semester.

ASSISTANT PROFESSOR PRICE.

10. **Mechanical Drawing**—9 continued. Second semester.

11. **Kinematics**—An elementary course in mechanism. Required of second-year students in the School of Mechanic Arts. Six hours drawing a week. Two hours credit. First semester.

ASSISTANT PROFESSOR PRICE.

12. **Machine Design**—An elementary course carried on in the manner of course 5 but less technical in its scope. Required of second-year students in the School of Mechanic Arts. Six hours drawing a week. Two hours credit. Second semester.

ASSISTANT PROFESSOR PRICE.

ENGLISH LANGUAGE AND LITERATURE

PROFESSOR SHERMAN, ADJUNCT PROFESSOR POUND, ADJUNCT PROFESSOR STUFF, MR. WALLACE

1. **Essentials of Old English Grammar**—Translations of prose and poetic specimens. Beowulf through 1,000 lines. Introductory to the study of Old English literature and to the history of the English language. Four hours attendance. Four hours credit. First semester.

ADJUNCT PROFESSOR POUND.

2. **Essentials of Old English Grammar**—1 continued. *Bèowulf* continued. Middle English grammar. Reading of selected Middle English texts. Outline of historical English grammar. Second semester.

3. **Old English Prose and Poetry**—Additional readings. Two hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR POUND.

4. **Chaucer**—Literary and linguistic studies. Two hours attendance. Two hours credit. Second semester.

ADJUNCT PROFESSOR POUND.

5. **English Literature**—Introductory course in literary interpretation. study of the literary elements, with applications in Tennyson's *Elaine* and Meredith's *Evan Harrington*. First and second semesters. Three hours attendance. Three hours credit. First semester, ADJUNCT PROFESSOR STUFF, MR. WALLACE.
Second semester. MR. WALLACE.

6. **English Literature**—5 continued. Class study of Chaucer, Spenser, Milton, Keats, and Browning. First and second semesters. Second semester. ADJUNCT PROFESSOR STUFF, MR. WALLACE.
First semester. MR. WALLACE.

7. **General Survey of English Literature**—Must be preceded by 5 and 6. Three hours attendance. Three hours credit. First semester. ADJUNCT PROFESSOR POUND.

8. **General Survey of English Literature** — 7 continued. Second semester.

9. **Shakespeare**—First year. *Macbeth*. Literary readings and written discussions. Repeated in the second semester. Three hours attendance. Three hours credit. First semester.

PROFESSOR SHERMAN.

10. **Shakespeare**—9 continued. First and second semesters. Three hours attendance. Three hours credit. Second semester.

11. **Shakespeare**—Second year. Advanced studies in Shakespeare. *Cymbeline*, *The Winter's Tale*, *Antony and Cleopatra*. Must be preceded by courses 9 and 10. Two hours attendance. Two hours credit. First semester. PROFESSOR SHERMAN.

12. **Shakespeare**—11 continued. Second semester. *Coriolanus*, *Romeo and Juliet*, *King Lear*.

*13. **English Literature**—Advanced course. Special studies in Tennyson. *The Princess, In Memoriam*. Must be preceded by courses 5 and 6. Three hours attendance. Three hours credit. First semester.
PROFESSOR SHERMAN.

*14. **English Literature**—13 continued. Second semester. Special interpretative studies in Emerson, Hawthorne, and Ruskin.

*15. **Browning**—Class study of *Luria, Return of the Druses*, and *Pippa Passes*. Must be preceded by courses 5 and 6. Two hours attendance. Two hours credit. First semester.

PROFESSOR SHERMAN.

*16. **Browning**—15 continued. *Sordello*. Second semester.

17. **Library Course in English Literature**—Supplementing courses 5 and 6. Two hours attendance. Two hours credit. First semester.

18. **Library Course in English Literature** — 17 continued. Second semester.

19. **Current Literature**—Two hours attendance. Two hours credit. First semester.

20. **Current Literature**—19 continued. Second semester.

21. **Old Testament Literature in English**—Study of characterization, wisdom literature, literary forms. Must be preceded by course 5. One hour attendance. One hour credit. First semester.

ADJUNCT PROFESSOR STUFF.

23. **New Testament Literature in English**—Intensive and comparative study of Matthew, Mark, Luke and John. Must be preceded by course 5. One hour attendance. One hour credit. Second semester.

ADJUNCT PROFESSOR STUFF.

*23. **Phonetics and General Linguistics**—With special reference to the history of English. Lectures. Two hours attendance. Two hours credit. First semester. ADJUNCT PROFESSOR POUND.

*25. **Seminary in Old English**—Must be preceded by courses 1 and 2. Two hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR POUND.

*26. **Seminary in Old English**—25 continued. Second semester.

*27. **History of Old English Literature**—One hour attendance. One hour credit. ADJUNCT PROFESSOR POUND.

- *28. **History of Old English Literature**—27 continued. Second semester.
- *29. **The Principles of Dramatization**—Dramatization of current and standard fiction. Two hours attendance. Two hours credit. First semester. PROFESSOR SHERMAN.
- *30. **The Principles of Dramatization**—29 continued. Comparison of the foreign drama with Shakespeare's. Second semester.
- *31. **The English Drama at the time of Shakespeare**—Two hours attendance. Two hours credit. First semester. ADJUNCT PROFESSOR POUND.
- *32. **English Literature of the Eighteenth Century**—Two hours attendance. Two hours credit. Second semester. ADJUNCT PROFESSOR POUND.
- * 3. **English Ballads**—Reading of selected ballads illustrating ballad development and the various ballad types. The ballad revival of the eighteenth century. Modern imitative ballads—Coleridge, Wordsworth, Rossetti, Swinburne, etc. One hour attendance. One hour credit. First semester. ADJUNCT PROFESSOR POUND.
- *34. **English Lyric Poetry**—An historical survey of English lyric poetry from the Old English to the Victorian period. One hour attendance. One hour credit. Second semester.
- *35. **Celtic Thought and Feeling in Its Relation to English Literature**—Two hours credit. First Semester. ADJUNCT PROFESSOR STUFF.
- *36. **Celtic Thought and Feeling in Its Relation to English Literature**—35 continued. Second semester.
- *37. **History and Construction of the Novel**—Two hours attendance. Two hours credit. First semester.
- *38. **History and Construction of the Novel**—37 continued. Second semester.
- *39. **Seminary in Criticism**—Two hours attendance. Two hours credit. First semester. PROFESSOR SHERMAN.
- *40. **Seminary in Criticism**—39 continued. Second semester.
- *43. **Select Plays of Beaumont and Fletcher**—With reference to materials and construction. Two hours attendance. Two hours credit. First semester. MR. WALLACE.

- *44. **Select Plays of Beaumont and Fletcher**—43 continued. Second semester.
- *45. **Seminary in the Development of English Prose**—Two hours attendance. Two hours credit. First semester.
PROFESSOR SHERMAN.
- *46. **Seminary in the Development of English Prose**—45 continued. Second semester.
- *47. **Seminary in the Development of English Interpretative and Literary Writing**—Two hours attendance. Two hours credit. First semester.
PROFESSOR SHERMAN.
- *48. **Seminary in the Development of English Interpretative and Literary Writing**—47 continued. Second semester.

ENTOMOLOGY AND ORNITHOLOGY

PROFESSOR BRUNER

Courses 1 and 2, or their equivalents, must precede all other courses in entomology, except 10.

Courses 5, 7 and 9 may be taken in the second semester as well as the first.

COURSES

ENTOMOLOGY

1. **Preliminary Entomology**—A study of the structure, development, and transformation of insects. Two hours attendance. Four hours laboratory. Two hours credit. First semester.
PROFESSOR BRUNER.
2. **Preliminary Entomology**—1 continued. In addition, the collection and classification of insects. Two hours attendance. Four hours laboratory and field work. Two hours credit. Second semester.
3. **Economic Entomology**—A study of the life, histories and habits of insects, with remedies. One hour attendance. Two hours laboratory. One hour credit. First semester.
PROFESSOR BRUNER.
4. **Economic Entomology**—3 continued. Chiefly field and laboratory work. Second semester.
- *5. **Systematic Entomology**—Field and laboratory work, with special groups. One or more hours credit. First semester.

PROFESSOR BRUNER.

- *6. **Systematic Entomology**—5 continued. Second semester.
- *7. **Economic Entomology**—Advanced course. A study of all the insects affecting any host plant. Laboratory and field work. One or more hours credit. First semester. PROFESSOR BRUNER.
- *8. **Economic Entomology**—7 continued.
- *9. **Horticultural Entomology**—Insect enemies of the orchard, vineyard, garden, etc. One hour credit. First semester. PROFESSOR BRUNER.
10. **Domestic Entomology**—Insects troublesome to man and beast. Two hours credit. Second semester. PROFESSOR BRUNER.
- 11.—**Forest Entomology**—Relationship of insects to forestry. Two hours lectures. Four hours laboratory. Two hours credit. First semester. PROFESSOR BRUNER.

ORNITHOLOGY

13. **Nebraska Birds**—Lectures on the classification, migrations, nesting, life-history, and food habits. The laboratory course of two hours for each lecture consists chiefly of field observations, reading, and study of museum material. One hour credit. First semester. PROFESSOR BRUNER.
14. **Nebraska Birds**—13 continued. In addition to readings, papers on special topics are required at close of the semester. Second semester.

FORESTRY

PROFESSOR MILLER

1. **Elementary Forestry**—Introductory course for those who wish a general survey of the subject. Two hours attendance. Two hours credit. First semester. PROFESSOR MILLER.
3. **Silviculture**—Characteristics of forests; trees important in forestry; methods of reproducing forests, treatment of forests, forest planting. Three hours attendance. Six hours field work. Three hours credit. First semester. PROFESSOR MILLER.
4. **Silviculture**—3 continued. Second semester.
5. **Forest Measurements**—Methods of determining the contents of felled and standing trees, estimating timber, determination of

height, diameter, and increment. Two hours attendance. Six hours field work. Two hours credit. First semester

PROFESSOR MILLER.

6. **Forest Measurements**—5 continued. Second semester.

7. **Forest Utilization**—Uses of timber; methods of lumbering and milling, transportation of logs and lumber, preparation of wood for market, secondary forest products. Two hours attendance. Two hours credit. First semester. PROFESSOR MILLER.

8. **Forest Management**—Preparation of working plans, forest valuation, forest finance, etc. Two hours attendance. Four hours field work. Two hours credit. Second semester.

PROFESSOR MILLER.

10. **Forest History**—The rise of forestry in Europe and the United States. One hour attendance. One hour credit. Second semester. PROFESSOR MILLER.

12. **Forest Protection**—Trespass, fire, grazing, wind, torrents, drifting sands, etc.; protective measures. One hour attendance. One hour credit. Second semester. PROFESSOR MILLER.

14. **Farm Forestry**—Designed to meet the wants of those who propose to live on the farm; including a general view of forestry, followed by instruction in planting, and the management of the farm wood-lot. Two hours lecture with field work. Two hours credit. Second semester. PROFESSOR MILLER.

GEOLOGY

PROFESSOR BARBOUR, ASSISTANT PROFESSOR CONDRA, MISS BARBOUR

Elementary botany, chemistry 1 and 2, and zoology should precede the study of geology. A knowledge of French and German is of prime importance for advanced work and collateral readings. As far as possible courses are repeated, and may be elected in the first or second semester, at the convenience of the student.

GEOLOGY

1. **Elementary Geology**—Dynamical and structural. Two hours attendance. Two hours credit. First semester.

PROFESSOR BARBOUR.

2. **Elementary Geology**—1 continued. Historical. Collateral readings, the examination of the common fossils as mentioned in the text, and the determination of about 150 rock forming minerals and rocks. Two hours attendance. Two hours credit. Second semester.
PROFESSOR BARBOUR.
3. **Advanced Geology**—Collateral readings. Experimental and laboratory work and field work. Two hours credit. First semester.
PROFESSOR BARBOUR.
5. **Field Geology**—A study of the geological environs of Lincoln with special excursions to out-cropping formations along Salt creek, Blue river and the Platte. Credit, one to four hours, depending on time and results. First semester.
ASSISTANT PROFESSOR CONDRA.
6. **Field Geology**—5 continued. Second semester.
7. **Economic Geology**—A discussion of the nature, origin and occurrence of ore deposits, and of mineral fuels, building stone, etc., of economic value. Open to students who have had courses 1 and 2 or their equivalent. Two hours attendance. Four or six hours laboratory and library. Two or three hours credit. First semester.
ASSISTANT PROFESSOR CONDRA.
8. **Agricultural Geology**—A discussion of soils, soil regions of Nebraska ground water, water resources, fertilizers, road materials, etc. Primarily for agricultural students. Two hours attendance. Four hours laboratory and library. Two hours credit. Second semester.
ASSISTANT PROFESSOR CONDRA.

PALEONTOLOGY

9. **Zoological Geology**—An elementary study and comparison of living and fossil forms. To precede or accompany geology 2. One hour attendance. One hour credit. An additional hour credit given for laboratory work. First semester.
PROFESSOR BARBOUR.
10. **Zoological Geology**—9 continued. Second semester.
11. **Local Paleontology**—A special study of the fossils of the state. Designed primarily for teachers. Course 9 required. One or two hours credit. First and second semesters.
PROFESSOR BARBOUR, MISS BARBOUR.

12. **Local Paleontology**—Special problems. Designed primarily for graduate students. Credit conditioned on results. First and second semesters. PROFESSOR BARBOUR.

MINERALOGY AND CRYSTALLOGRAPHY

13. **Elementary Mineralogy**—Designed for teachers who wish a general knowledge of minerals. One hour attendance. Two hours laboratory. One hour credit. First semester. ASSISTANT PROFESSOR CONDRA.
15. **Mineralogy**—Blow-pipe analysis and elementary crystallography. One hour attendance. Two or five hours laboratory, One or two hours credit. First and second semesters. PROFESSOR BARBOUR, ASSISTANT PROFESSOR CONDRA.
16. **Mineralogy**—15 continued. First and second semesters.
17. **Crystallography**—A study of crystallographic forms and measurements, mathematical relations, physical and optical properties. One hour attendance. Two or five hours laboratory. One or two hours credit. First semester. ASSISTANT PROFESSOR CONDRA.

LITHOLOGY

14. **Elementary Lithology**—For teachers and others who wish a general knowledge of rocks. One hour attendance. Two hours laboratory. One hour credit. Second semester. ASSISTANT PROFESSOR CONDRA.
20. **Advanced Lithology**—A study of rocks and rock-forming minerals by means of physical, optical and chemical methods. Courses 13, 17 and 19 required. One or two hours credit. Second semester. ASSISTANT PROFESSOR CONDRA.

GEOGRAPHY

21. **General Geography**—Open to teachers or other students who have had courses 1 and 2 or their equivalent. Two hours attendance. Four hours library and laboratory. Two hours credit. First semester. ASSISTANT PROFESSOR CONDRA.
22. **Geography of the United States**—Lectures supplemented by laboratory work and reading. Three weeks devoted to Nebraska.

Should be preceded by courses 1 and 2 or their equivalent, and 21. Two hours attendance. Four hours laboratory and library. Two hours credit. Second semester.

ASSISTANT PROFESSOR CONDRA.

23. **Advanced Geography**—Designed primarily for graduate students. Credit determined by results. First and second semester.

ASSISTANT PROFESSOR CONDRA.

COURSE FOR TEACHERS

24. **Practical Course**—Study of the commonest crystals, minerals, rocks' and fossils. Lectures and field excursions. One hour credit. Second semester.

PROFESSOR BARBOUR.

25. **Map-Construction and Interpretation** — Includes map-drawing and coloring; modelling in papier mache, clay, wax, and other media; making plaster and gelatine moulds; and casting in plaster of paris. Suited to various grades. One hour credit. First semester.

PROFESSOR BARBOUR, MISS BARBOUR, MISS WEBSTER.

GERMANIC LANGUAGES

PROFESSOR FOSSLER, ASSOCIATE PROFESSOR GRUMMANN, ADJUNCT PROFESSOR HEPPNER, MISS CHAMBERLAIN, MISS SLY, MISS WISE

- *1. **Beginners Course**— Grammar and exercises. Reader begun; word analysis; grammar studies from readings; vocabulary. Five hours attendance. Five hours credit. First and second semesters. ADJUNCT PROFESSOR HEPPNER, MISS CHAMBERLAIN, MISS SLY, MISS WISE.

- *2. **Beginners Course**—Continued. Reader finished. Sentence structure; etymologies and derivations. Carmen Sylva's *Aus Meinem Konigreich*; Gerstaecker's *Germelshausen*; Campe's *Robinson der Jungere*. Highschool students who have had two semesters of German may register for this course. Five hours attendance. Five hours credit. First and second semesters.

ADJUNCT PROFESSOR HEPPNER, MISS CHAMBERLAIN.

- *3. **Literary German**—College of Literature, Science and the Arts. Charlotte Niese's *Aus danischer Zeit*; Rosegger's *Waldheimat*;

Hans Arnold's *April Wetter*. Five hours attendance. Five hours credit. First and second semesters.

ADJUNCT PROFESSOR HEPPNER, MISS CHAMBERLAIN.

- *4. **Literary German**—3 continued. Sundermann's *Frau Sorge* or *Der Katzensteg*; Schiller's *Jungfrau von Orleans* or Goethe's *Hermann und Dorothea*; Lessing's *Minna von Barnhelm* or Rosegger's *Waldschulmeister*. Five hours attendance. Five hours credit. First and second semesters. Graduates from a two years high-school course in German may enter course 4.

ASSOCIATE PROFESSOR GRUMMANN, ADJUNCT PROFESSOR HEPPNER
MISS CHAMBERLAIN

- *3a. **Scientific German**—Industrial College. Science Readers. Lossar-Cohn, *Die Chemie im Taglichen Leben*. Analysis of scientific terminology. Five hours attendance. Five hours credit. First semester.

PROFESSOR FOSSLER.

- 4a. **Scientific German**—3a continued. Dippold, Science reader and scientific monographs. Besides these technical readings, at least one literary text is studied to enable students to continue the German in courses 5 and 6. Five hours attendance. Five hours credit. Second semester.

PROFESSOR FOSSLER.

NOTE.—Courses 5, 5a, 7 and 9 open to students who have completed 4a, 4, or their equivalents. Students are advised to consult the head of the department before registering.

5. **German Literature**—Schiller's *Maria Stuart*; Goethe's *Italianische Reise* or *Iphigenie*; Schiller's *Wallenstein* and Heine's *Prosa*. Two hours credit. First semester.

MISS CHAMBERLAIN.

6. **German Literature**—5 continued. Second semester. Three hours attendance. Three hours credit.

PROFESSOR FOSSLER, MISS CHAMBERLAIN.

- 5a. **German Literature**—This is a five hour course intended primarily to accommodate the student who finishes the fourth semester's work at mid-year. The texts read are approximately those of courses 5 and 6, thus enabling the student to enter advanced classes. Five hours attendance. Five hours credit. Second semester.

ASSISTANT PROFESSOR GRUMMANN.

7. **Conversation Course**—Affords such opportunities for conversation and composition as the class room can furnish. Special care is

given to German sentence structure and to idiomatic expressions. The work is thoroughly practical, calculated to supplement the student's reading knowledge of German. Thorough review of German grammar. Three hours attendance. Three hours credit. Second semester. Must be either preceded or accompanied by course 5.

ADJUNCT PROFESSOR HEPPNER.

8. **Conversation Course**—Consists largely of written exercises, of translation and original composition. Based mainly upon Kron's *German Daily Life*. Two hours attendance. Two hours credit. Second semester.

PROFESSOR FOSSLER, ASSOCIATE PROFESSOR GRUMMANN,
MISS HEPPNER.

NOTE—Courses 11, 13, and 19 are open to students who have completed 6 or 8. Students are advised to consult the head of the department before registering.

9. **Balladen und Romanzen**—The collections of Halfield and Busse furnish the topics considered. Two hours attendance. Two hours credit. First semester.

MISS CHAMBERLAIN.

11. **German Literature**—Advanced course. Goethe's, *Werther's Leiden*, *Egmont*. Three hours attendance. Three hours credit. First semester.

PROFESSOR FOSSLER.

12. **German Literature**—Lessing's *Nathan der Weise*; Goethe's *Dichtung und Wahrheit*. Three hours attendance. Three hours credit. Second semester.

PROFESSOR FOSSLER.

13. **Library Course**—The German novel and drama nineteenth century. Representative works of Sudermann, Hauptmann, Kretzer, Voss, Fulda, Scheffel, Bertha von Suttner, Hollander, Rosegger, Fontane, Wildenbruch, etc. Only students who are able to do independent work in advanced reading are admitted to this class. Weekly reports and reviews, orally or in writing. Three hours credit. First semester.

ASSOCIATE PROFESSOR GRUMMANN,
ADJUNCT PROFESSOR HEPPNER.

14. **Library Course**—13 continued. Second semester.

16. **Ibsen**—*Pillars of Society*, *Doll's House*, *Enemy of the People*, *Rosmersholm Brand*. The German translation is used. Two hours attendance. Two hours credit. Second semester.

PROFESSOR FOSSLER.

- *17. **Teachers' Course**—Lectures on methods of teaching German. Problems in historical grammar of importance to the teacher. Essentials of phonetics. Weekly written reports in German. Open to students with consent of the instructor. Two hours attendance. Two hours credit.

ASSOCIATE PROFESSOR GRUMMANN.

- *18. **German Compositions**—Practice teaching. Review and discussion of representative German school texts. Two hours attendance. Two hours credit.

ASSOCIATE PROFESSOR GRUMMANN.

- *19. **Germanic Mythology**—Origin of myths. Relation of mythology to folk lore. Critical study of the most important Germanic myths. Two hours attendance. Two hours credit.

ASSOCIATE PROFESSOR GRUMMANN.

- *20. **Germanic Mythology**—19 continued. German hero-lore. Study of the most important German legends with reference to their origin and distribution. Two hours attendance. Two hours credit.

ASSOCIATE PROFESSOR GRUMMANN.

GREEK HISTORY AND LITERATURE

PROFESSOR LEES, ASSISTANT PROFESSOR DANN.

Courses 1 and 1a, 2 and 2a, etc., are so correlated as to enable the student, while acquiring a knowledge of the language, to gain some acquaintance with the life and thought of the Greeks as reflected in their literature, history and religion. These correlated courses may, however, be taken separately.

1. **Beginner's Greek**—The most essential facts of the language; simple exercises and easy readings. Three hours attendance. Three hours credit. First semester. ASSISTANT PROFESSOR DANN.
Second semester. PROFESSOR LEES.
2. **Beginner's Greek**—1 continued. The Greek reader; short selections from Greek literature and history. Three hours attendance. Three hours credit. Second semester.

ASSISTANT PROFESSOR DANN.

- 1a. **Greek Mythology**—The origin and significance of Greek myths; classic myths in English poetry. Two hours attendance. Two hours credit. First semester. ASSISTANT PROFESSOR DANN.

- 2a. **Greek History and Geography**—A general survey of Greek history from the sixth century, B. C., to the conquests of Alexander. Two hours attendance. Two hours credit. Second semester.

ASSISTANT PROFESSOR DANN.

3. **Xenophon's Anabasis**—Books I and II, with prose composition. Parallel and supplementary readings from the standard histories of Greece. Three hours attendance. Three hours credit. First semester.

ASSISTANT PROFESSOR DANN.

4. **The Iliad**—Books I and II. Introduction to the Epic dialect and the Homeric hexameter; practice in metrical reading. Three hours attendance. Three hours credit. Second semester.

ASSISTANT PROFESSOR DANN.

- 3a. **Greek Life**—Studies in the social, economic and religious phases of Greek life. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR DANN.

- 4a. **The Entire Iliad in English Translation**—Studies in Homeric life and literature. Two hours attendance. Two hours credit. Second semester.

ASSISTANT PROFESSOR DANN.

5. **The Odyssey**—Three books read consecutively; considerable sight reading from other selected passages of the first twelve books. A literary study of the whole poem from the English translation. Three hours attendance. Three hours credit. First semester.

PROFESSOR LEES.

6. **Herodotus**—Selected chapters critically read and studied. The complete works of Herodotus read and reported upon by members of the class in turn. Plato, *The Apology and Crito*. A study of Socrates. Three hours attendance. Three hours credit.

PROFESSOR LEES.

- *7. **The Greek Dramatists**—Aeschylus; *The Prometheus Bound*. Sophocles; *The Antigone*. Lectures and library readings on the Greek dramatists and Greek actors, costumes and buildings. Three hours attendance. Three hours credit. First semester.

PROFESSOR LEES.

- *8. **The Greek Dramatists**—7 continued. Selected dramas of Sophocles and Euripides. Three hours attendance. Three hours credit. Second semester.

PROFESSOR LEES.

11. **Greek Comedy**—Aristophanes; *The Clouds*, *The Frogs*. History of the rise and development of Attic comedy. Two hours attendance. Two hours credit. First semester. PROFESSOR LEES.
12. **Lucian**—Selected dialogues. Outline history of Greek literature based upon selections from authors not hitherto read. Two hours attendance. Two hours credit. Second semester. PROFESSOR LEES.
- *13. **Thucydides**—Selected portions. A careful study of the speeches and a rapid reading of the narrative. The style and characteristics of Thucydides. Two hours attendance. Two hours credit. PROFESSOR LEES.
- *14. **Thucydides**—13 continued. Second semester.
- *15. **Prose Composition**—Advanced course. Designed especially for students expecting to teach. One hour attendance. One hour credit. First semester. ASSISTANT PROFESSOR DANN.
- *16. **Prose Composition**—15 continued. Second semester.
17. **New Testament Greek**—Selections from the Gospel of John and the Acts of the Apostles. Two hours attendance. Two hours credit. First semester. ASSISTANT PROFESSOR DANN.
18. **New Testament Greek**—17 continued. Selections from Pauline epistles. Two hours attendance. Two hours credit. Second semester. ASSISTANT PROFESSOR DANN.
19. **The History of Greek Literature from Homer to Aristotle**—Selected masterpieces of Greek literature read in English translation. Lectures and library readings on the authors studied. Two hours attendance. Two hours credit. First semester. PROFESSOR LEES.
20. **The History of Greek Literature from Homer to Aristotle**.—19 continued. Second semester.
21. **The Greek Philosophers and their Philosophical Systems from Thales to Aristotle**—Lectures, library readings. The works of Plato and Aristotle in English translation. Two hours attendance. Two hours credit. First semester. PROFESSOR LEES.
22. **The Greek Philosophers and their Philosophical Systems from Thales to Aristotle**—21 continued. Second semester.

23. **Athenian Politics during the Fifth Century B. C.**—The evolution of the Athenian democracy; the Persian wars; the Delian confederacy and expansion of Athens; the Periclean age; the struggle between Athens and Sparta. This course is designed more especially for students of political history and jurisprudence. Two hours attendance. Two hours credit.

PROFESSOR LEES.]

Not given in 1904-1905. Given in 1905-1906.

- [24. **Athenian Politics during the Fourth Century B. C.**—23 continued. Reestablishment of the democracy; second Athenian confederacy; the struggle for supremacy; Demosthenes and Philip; the extinction of free political institutions. Two hours attendance. Two hours credit.

PROFESSOR LEES.]

Not given in 1904-1905. Given in 1905-1906.

25. **Greek Antiquities**—Topography, architecture, theaters, temples, social customs, funeral monuments. An itinerary through Greece with lectures and illustrations from photographs and lantern slides. One hour attendance. One hour credit. First semester.

PROFESSOR LEES.

26. **Greek Antiquities**—25 continued. Second semester.

29. **History of Greek Art**—A study of the principles of Greek architecture and sculpture, and of existing monuments. Three hours attendance. Three hours credit. First semester.

ASSISTANT PROFESSOR DANN.

30. **History of Italian Art in the Fifteenth and Sixteenth Centuries**—Three hours attendance. Three hours credit. Second semester.

ASSISTANT PROFESSOR DANN.

HISTORY

AMERICAN HISTORY AND POLITICS

PROFESSOR CALDWELL, ADJUNCT PROFESSOR PERSINGER,
MR. AYLSWORTH.

Courses 1, 2, 3 and 4 are general or introductory courses and are open to any student of college rank. All are advised, however, to begin their work in history with courses 1 and 2 in European history.

Students may begin in American history with either course 1, 2, or 3, as they prefer, but those who wish to specialize in the department

should take the courses in order. Courses 3 and 4 are intended especially for those who have time for only one year's work in American history.

Much time and many mistakes will be saved by consulting with the head of the department before registering for any of the advanced courses.

COURSES

AMERICAN HISTORY

1. **Colonial Period of American History**—Discovery and colonization of America; development and institution of English colonies; relation to each other and to the mother country. Three hours attendance. Three hours credit. First semester.

ADJUNCT PROFESSOR PERSINGER.

MR. AYLSWORTH.

2. **Colonial Period of American History**—1 continued—The revolutionary period; French and Indian war; causes and results of the revolution; creation and failure of the Confederacy. Three hours attendance. Three hours credit. Second semester.

ADJUNCT PROFESSOR PERSINGER.

MR. AYLSWORTH.

3. **The Constitutional Period, 1785-1829**—Formation and interpretation of the constitution; war of 1812; the slavery struggle to 1829; politics. Three hours attendance. Three hours credit. First year students admitted only by permission. First semester.

PROFESSOR CALDWELL.

4. **The Constitutional Period, 1785-1829**—3 continued—Nullification; Texas, the Mexican war and acquisition of territory; the slavery struggle to 1860. Three hours attendance. Three hours credit. Second semester.

PROFESSOR CALDWELL.

5. **Reconstruction**—The completion of the results of the Civil War; amendments to the constitution; impeachment of President Johnson; politics to 1875. At least one year of American history must precede. Two hours attendance. Two hours credit. First semester.

PROFESSOR CALDWELL.

6. **Reconstruction**—5 continued—Internal and foreign affairs, 1875 to the present. Second semester.

7. **History of the American Negro Under Slavery**—Origin, growth, and decline of American slavery. Must be preceded by one year's

work in American history. Three hours attendance. Three hours credit. First semester

ADJUNCT PROFESSOR PERSINGER.

Not given in 1905-1906.

- *8. **History of the American Negro Under Freedom**—Progress of the freedman during and after reconstruction, with discussion of the negro and other present-day race problems. Must be preceded by one year's work in American history. Three hours attendance. Three hours credit. Second semester.

ADJUNCT PROFESSOR PERSINGER.

Not given in 1905-1906.

- [*9 **External Expansion of the United States**—Diplomacy and argument of acquisition; geographical disposition of the acquired territory; problems growing out of territorial expansion. Three hours attendance. Three hours credit. First semester.

ADJUNCT PROFESSOR PERSINGER.]

- [*10. **Internal Expansion of the United States**—The westward advances of settlement, organization of new territories and states, democratic and nationalistic influences of the frontier, problems arising out of the westward movement. Three hours attendance. Three hours credit. Second semester.

MR. AYLSWORTH.]

Not given in 1904-1905. Given in 1905-1906.

- [*11. **Canadian-American History and Relations**—Political and industrial history of French and English Canada, with special reference to relations with the United States. At least one year of American history must precede. Three hours attendance. Three hours credit. First semester.

MR. AYLSWORTH.]

Not given in 1904-1905. Given in 1905-1906.

- [*12. **Spanish-American History and Relations**—Special emphasis upon diplomatic and industrial relations of the Spanish-American republics and the United States. Must be preceded by one year of American history. Three hours attendance. Three hours credit. Second semester. ADJUNCT PROFESSOR PERSINGER.]

Not given in 1904-1905. Given in 1905-1906.

13. **Social History of the United States**—English heritage, colonial transformation, and development since the adoption of the con-

stitution. At least one year of American history must precede. Two hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR PERSINGER.

Not given in 1905-1906.

14. **Religious History of the United States**—Rise and relation of creeds and sects; evolution of religious freedom, and separation of church and state; present-day tendencies. At least one year of American history must precede. Two hours attendance. Two hours credit. Second semester.

ADJUNCT PROFESSOR PERSINGER.

Not given in 1905-1906.

15. **Lincoln-Douglas**—A study of these great rivals, their rise into public life, early political views, relative to political issues, and contests causing the Civil War. Two hours attendance. Two hours credit. First semester.

MR. AYLSWORTH.

Not given in 1905-1906.

16. **Lincoln-Douglas**—15 continued. A study of the Civil War epoch, with emphasis upon Lincoln's views and influence. Second semester.

17. **Current Events**—Daily political life of the world interpreted in its relations to the past. A study of evidence; reports and discussions. Open to advanced students, and to others with consent of the instructors. One hour attendance. One hour credit. First semester.

PROFESSOR CALDWELL, ADJUNCT PROFESSOR PERSINGER.

18. **Current Events**—17 continued. Second semester.

- *19. **Teachers' Course**—Devoted to the aims, methods, and problems in teaching American history. Special attention is given to the evolution and criteria of an up-to-date text-book, the available sources, outline maps, reference lists and histories, topical outlines, etc.; the influence of geography and the newer knowledge and interpretations in American history. One hour attendance. One hour credit. First semester.

MR. AYLSWORTH.

20. **Teachers' Course**—19 continued. Second semester.

21. **Seminary in Western History**—For 1904-1905 the subject will be Nebraska history; settlements; movements of population; constitutional and institutional beginnings and progress. For gradu-

ate and special students on consent of the instructor. Two hours attendance. Two hours credit. First semester.

PROFESSOR CALDWELL.

22. **Seminary in Western History**—21 continued. Second semester.

23. **Seminary in American National History**—The subject will vary from year to year. In 1904-1905 the period 1840-1850 will be taken for special study. For graduates or advanced students in history on consent of the instructor. Two hours attendance. Credit will vary with the work done. First semester.

PROFESSOR CALDWELL.

24. **Seminary in American National History**—23 continued. Second semester.

25. **Seminary**—Suffrage laws of the United States. A study of restriction and extension of the suffrage in American history with special emphasis upon present-day conditions. At least one year of American history must precede. One hour class work. One hour credit. First semester.

Not given in 1905-6.

ADJUNCT PROFESSOR PERSINGER.

26. **Seminary**—Evolution of the tariff argument in the United States. Analytical and comparative study of the tariff controversy in its various epochs from 1816 to the present time. At least one year of American history must precede. One hour class work. One hour credit. Second semester.

Not given in 1905-1906.

ADJUNCT PROFESSOR PERSINGER.

27. **Conference**—A meeting of instructors and students who are candidates for degrees. Reports on theses; special reports. Meeting once in two weeks. No credit.

28. **Conference**—27 continued. Second semester.

POLITICS

[*41. **Politics**—Comparison of party conditions and history of parties in the United States and other countries; evolution of American political parties. At least one year of American history must precede. Two hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR PERSINGER.]

Not given in 1904-1905. Given in 1905-1906.

- [*42. **Politics**—41 continued. Evolution of American party machinery; comparison with that of other countries; party contributions to American political ideals and progress. At least one year of American history must precede. Two hours attendance. Two hours credit. Second semester. ADJUNCT PROFESSOR PERSINGER.]
Not given in 1904-1905. Given in 1905-1906.
- [43. **Comparative Government I**.—A study of the organization and administration of government in the United States and England. Two hours attendance. Two hours credit. First semester. MR. AYLSWORTH.]
Not given in 1904-1905. Given in 1905-1906.
- [44. **Comparative Government II**.—A study of the organization and administration of government in France, Germany, and other leading countries. Two hours attendance. Two hours credit. Second semester. MR. AYLSWORTH.]
Not given in 1904-1905. Given in 1905-1906.
- *45. **American Constitutional History**—National, state, and local
Two hours attendance. Two hours credit. First semester.
MR. AYLSWORTH.
46. **American Constitutional History**—45 continued. For the year 1904-1905 a special study will be made of Madison's *Journal* and *The Federalist*. Two hours attendance. Two hours credit. Second semester.
MR. AYLSWORTH.
- [*47. **American Diplomatic History**—Diplomatic organization and machinery; comparison with that of other countries; diplomacy of the Revolution and under the constitution to 1815. Constitutional law should precede or accompany this course. Two hours credit. First semester. PROFESSOR CALDWELL.]
Not given in 1904-1905. Given in 1905-1906.
- [48. **American Diplomatic History**—47 continued. The Monroe Doctrine; slave trade; eastern problems, etc. Second semester.]
49. **Theory of the State**—Modern theories; comparison of the views of Bluntschli, Burgess and Willoughby. Open only to advanced students. Two hours attendance. Two hours credit. First semester. PROFESSOR CALDWELL.
Not given in 1905-1906.

50. **Historical Political Science**—Survey of ancient and mediaeval views. A careful study of English writers. Second semester.

EUROPEAN HISTORY

PROFESSOR FLING, ASSISTANT PROFESSOR JONES,
MISS PFEIFFER.

The courses in European history are intended for the following classes of students:

1. Those who are preparing to teach history in the high school or in the college. Such students should take from three to five hours of work each semester. The teacher's certificate calls for one year in European history, one year in English history, and one year in American history. That is, however, the minimum. The work in European history should be continued through the four years and at least two years given to American history. In European history, courses 1 and 2 should be taken the first year; courses 3 and 4 with 5 and 6, making five hours each semester, the second year. The languages needed in the advanced work should be taken up in the first and second years; German in the first and second years, French in the second and third. Students are advised to consult with the head of the department (during registration week) concerning their work.

2. Those who are specializing in language and literature. Courses 3 and 4 are intended for students of English literature, 7 and 8 for students of German literature.

3. Those who are preparing for law or debate will find especially valuable the training in the use of evidence given in courses 1 and 2. The same courses are helpful to students of economics and sociology.

COURSES

1. **General Survey of European History**—Three hours attendance. Three hours credit. First semester.

PROFESSOR FLING, MISS PFEIFFER.

2. **General Survey of European History**—1 continued. Second semester.

3. **English History to 1603**—Open to students that have not had courses 1 and 2. Three hours attendance. Three hours credit. First semester. PROFESSOR FLING, ASSISTANT PROFESSOR JONES, MISS PFEIFFER.

5. **English History to 1603**—3 continued. Open to students that have had courses 1 and 2. Three hours attendance. Three hours credit. First semester. ASSISTANT PROFESSOR JONES.
4. **English History After 1603**—Must be preceded by course 3. Three hours attendance. Three hours credit. Second semester. PROFESSOR FLING, ASSISTANT PROFESSOR JONES, MISS PFEIFFER.
6. **English History After 1603**—Must be preceded by courses 1 and 2, but need not be preceded by 3. Three hours attendance. Three hours credit. Second semester. ASSISTANT PROFESSOR JONES.
7. **Mediaeval Europe from the Germanic Invasions to the End of the Carolingian Period**—Must be preceded by courses 1 and 2. Taken only in combination with 3. Two hours attendance. Two hours credit. First semester. ASSISTANT PROFESSOR JONES.
8. **Mediaeval Europe from the Germanic Invasions to the End of the Carolingian Period**—7 continued. Must be preceded by courses 1 and 2. Taken only in connection with course 4. Two hours attendance. Two hours credit. Second semester. ASSISTANT PROFESSOR JONES.
9. **Mediaeval Europe from the Second Revival of the Empire to the Renaissance**—Must be preceded by 1 and 2. Three hours attendance. Three hours credit. First semester. ASSISTANT PROFESSOR JONES.
10. **Mediaeval Europe from the Second Revival of the Empire to the Renaissance**—9 continued.
11. **The History of Germany to the Reformation**—For students of German who have had no European history. Two years of German required. Three hours attendance. Four hours credit. First semester. ASSISTANT PROFESSOR JONES.
12. **The History of Germany to the Reformation**—11 continued. Second semester.
13. **The History of Germany to the Reformation**—For students who have had 1 and 2. Two years of German required. Three hours attendance. Four hours credit. First semester. ASSISTANT PROFESSOR JONES.
14. **The History of Germany to the Reformation**—13 continued. Second semester.

- [*15. **The Renaissance**—Must be preceded by 1 and 2 and accompanied by a seminary. Two hours attendance. Two hours credit. First semester. ASSISTANT PROFESSOR JONES.]

Not given in 1904-1905. Given in 1905-1906 and alternate years.

- [*16. **The German Reformation, to 1555**—Must be preceded by 1 and 2 and accompanied by a seminary. Two hours attendance. Two hours credit. Second semester.

ASSISTANT PROFESSOR JONES.]

Not given in 1904-1905. Given in 1905-1806 and alternate years.

- *17. **The French Revolution**—Open to students that have had two years work in the department. Two hours attendance. Two hours credit. First semester. PROFESSOR FLING.

- *18. **The Napoleonic Era**—The requirements same as for course 17. Two hours attendance. Two hours credit. Second semester.

PROFESSOR FLING.

- [*19. **Europe in the Nineteenth Century**—The same requirements as for course 17. Two hours attendance. Two hours credit. First semester.

PROFESSOR FLING.]

Not given in 1904-1905. Given in 1905-1906 and alternate years.

- [*20. **Europe in the Nineteenth Century**—19 continued — Second semester.]

- *21. **The Reforms of Turgot**—Open to seniors and graduates that have had three years work in the department. Two hours attendance. Two hours credit. First semester.

PROFESSOR FLING.

- *22. **The Administration of Necker**—21 continued—Second semester.

- *37. **The Puritan Revolution**—Open to students that have had two years work in the department. Two hours attendance. Two hours credit. First semester. ASSISTANT PROFESSOR JONES.

- *38. **The Crusades**—The same requirements as for course 28. Two hours attendance. Two hours credit.

ASSISTANT PROFESSOR JONES.

- *29. **Seminary I. A Topic from English History**—Open to Juniors. One hour attendance. One hour credit. First semester.

ASSISTANT PROFESSOR JONES.

*30. **Seminary II. A Topic from English History**—29 continued—
Second semester.

*23. **Seminary III. The French Revolution**—Open to Juniors.
One hour attendance. One hour credit. First semester.

PROFESSOR FLING.

*24. **Seminary IV. The French Revolution**—23 continued. Second
semester.

HORTICULTURE

ASSOCIATE PROFESSOR EMERSON

Course 1 and 2, or their equivalents, must precede all other courses except for students who have completed the work in horticulture required in the School of Agriculture. Agriculture 21 and Botany 1 and 2 should precede or accompany courses 1 and 2. Courses 1, 2, 7, and 8 are offered each year. Students should consult with the head of the department before registering for other courses.

COURSES

1. **General Horticulture**—A general survey of the principles and practice of horticulture. Two hours attendance. Four hours laboratory. Three hours credit. First semester.

ASSOCIATE PROFESSOR EMERSON.

2. **General Horticulture**—1 continued. Second semester.

3. **Pomology**—Fruits; their description, classification, and culture. One hour attendance. One hour credit. First semester.

ASSOCIATE PROFESSOR EMERSON.

4. **Vegetable Gardening**—Kitchen-garden vegetables, description, classification and culture. One hour attendance. One hour credit. Second semester.

ASSOCIATE PROFESSOR EMERSON.

5. **Ornamental Gardening**—Ornamental plants, shrubs, and trees; their culture, classification and decorative value. The principles of ornamental planting. One hour attendance. One hour credit. First semester.

ASSOCIATE PROFESSOR EMERSON.

7. **Plant Breeding**—A study of the improvement of plants under cultivation, including a discussion of hybridization, selection, and effect of environment. One hour attendance. Two hours laboratory and library. One hour credit. First semester.

ASSOCIATE PROFESSOR EMERSON.

8. **Plant Breeding**—7 continued. Second semester.

MATHEMATICS

PROFESSOR DAVIS, ASSISTANT PROFESSOR CANDY, ASSISTANT PROFESSOR CHATBURN, ASSISTANT PROFESSOR MORITZ,
ADJUNCT PROFESSOR ENGBERG

1. **Plane Trigonometry and Analytical Geometry**—Five hours attendance. Five hours credit. First and second semesters.
ASSISTANT PROFESSOR CANDY, ADJUNCT PROFESSOR ENGBERG.
2. **Analytical Geometry and Calculus**—Five hours attendance. Five hours credit. First and second semesters.
ASSISTANT PROFESSOR CANDY.
3. **Analytic Geometry and Calculus**—Five hours attendance. Five hours credit. First and second semesters.
ASSISTANT PROFESSOR CANDY.
4. **Analytical Geometry and Calculus**—3 continued. Five hours attendance. Five hours credit. First and second semesters.
PROFESSOR DAVIS.
5. **Differential Equations and Solid Geometry**—Four hours attendance. Four hours credit. First semester. PROFESSOR DAVIS
6. **Theory of Probability**—Three hours attendance. Three hours credit. Second semester. ADJUNCT PROFESSOR ENGBERG.
- *7. **Advanced Differential Equations**—Must be preceded by course 5. Two hours attendance. Two hours credit. First semester.
ASSISTANT PROFESSOR CANDY.
- *8. **Advanced Differential Equations**—7 continued. Second semester.
- *9. **Advanced Geometry**—Must be preceded by course 5. Three hours attendance. Three hours credit. First semester.
ASSISTANT PROFESSOR CANDY
- *10. **Advanced Geometry**—9 continued. Second semester.
- *11. **Geometry of Position**—Must be preceded by courses 1 and 2. Three hours attendance. Three hours credit. First semester.
12. **Geometry of Position**—11 continued. Second semester.
- *15. **Advanced Algebra**—Must be preceded by course 5. Three hours attendance. Three hours credit. First semester.
ASSISTANT PROFESSOR MORITZ.

- *16. **Advanced Algebra**—15 continued. Second semester.
- *15. **Mathematical Pedagogy**—Three hours attendance. Three hours credit. First semester. ASSISTANT PROFESSOR MORITZ.
- *6. **Mathematical Pedagogy**—25 continued. Second semester.

BIOMETRY

The mathematical theory of evolution. A mathematical analysis of botanical and biological problems. An extended knowledge of mathematics is not necessary, although of great aid. The work is intended primarily for advanced students in the natural sciences who can apply this work to their researches, but, it is open to other students.

27. **A Review of Preliminary Mathematics**—Followed by the study of the various frequency curves and applications to individual problems. Two hours attendance. Two hours credit. First semester. ADJUNCT PROFESSOR ENGBERG.
28. **A Review of Preliminary Mathematics**—27 continued. Studies in error correlations of frequency constants, variation, organic correlation, regression, heredity, spurious correlation, and fixture of type. Two hours attendance. Two hours credit. First semester. ADJUNCT PROFESSOR ENGBERG.
29. **Studies in Organic and Fraternal Correlation and Problems in Heredity**—One hour attendance. One to three hours credit. First semester. ADJUNCT PROFESSOR ENGBERG.
30. **Studies in Organic and Fraternal Correlation and Problems in Heredity**—29 continued. Second semester.

MILITARY SCIENCE AND TACTICS

CAPTAIN WILSON CHASE, U. S. A., COMMANDANT.

By the rules of the Board of Regents, all male students in the general colleges, (Literature, Science and the Arts, and the Industrial College,) are required forthwith after matriculation to take military work. A student who, without valid excuse, fails to take this at the proper time, is required to drill a semester longer than would otherwise be necessary.

The annual cadet encampment is held each year from Tuesday evening of the last week preceding the examinations of the second semester till the Saturday evening preceding the examinations.

During the period of encampment, instruction is given in first aid to the injured and in target practice.

REQUIRED COURSES

The following courses are required of all cadets, except members of the band:

- A1. **Infantry Drill**—First semester. Practical. Four hours attendance. Theoretical: guard manual; infantry drill regulations. One hour attendance.
CAPTAIN CHASE,
OR AN ASSISTANT.
- A2. **Infantry Drill**—Second semester. Practical. Guard mounts, parades and other ceremonies. Guard duty. Four hours attendance.
CAPTAIN CHASE,
OR AN ASSISTANT.
- AA1. **Infantry Drill**—Third semester. Practical. Guard mounts, parades and other ceremonies. Guard duty. Four hours attendance. Theoretical: articles of war, army papers, and ten lectures by commandant upon military subjects. One hour attendance.
CAPTAIN CHASE.
- AA2. **Infantry Drill**—Fourth semester. Practical. Guard mounts, parades and other ceremonies. Guard duty. Four hours. Theoretical: any subject mentioned in the preceding in which proficiency was not attained. One hour attendance.
CAPTAIN CHASE.

CADET BAND

The cadet band is open to all male students. Members of the cadet battalion not in the band who desire to transfer to it, may do so on application to, and approval of, the commandant.

All members of the band are a part of the cadet battalion, and are under military discipline at all times. One hour credit is given for each third and fourth year of membership.

COURSES

- A1. First semester. Music. Three hours attendance. Mr. Hagenow. Practical: infantry and band drill. Two hours attendance. One hour credit.
CAPTAIN CHASE,
OR AN ASSISTANT.

A2. A1 continued. Second semester.

AA1. A2 continued Third semester.

AA2. Fourth semester. Continuation of third semester, but applicable to cadets who have not discharged their military obligations immediately after matriculation.

ELECTIVE COURSES

The following elective courses may be taken by those cadets who have completed the required courses mentioned above:

1. **In Field Artillery and Signalling**—Elementary course. Practical: Artillery drill and signaling with flags and heliograph. Four hours attendance. Theoretical: artillery drill regulations and manuals for signalling. One hour attendance. First semester.
CAPTAIN CHASE.
2. **In Field Artillery and Signalling**—1 continued. Second semester
3. **Military Field Engineering**—Elementary courses. Construction of hasty intrenchments; construction of military bridges and roads. Uses of high explosives. One hour attendance. One hour credit. First semester.
CAPTAIN CHASE.
4. **Security and Information**—Advance guards; rear guards; outposts; reconnaissance. One hour attendance. One hour credit. Second semester.
CAPTAIN CHASE.

MUSIC

DIRECTOR KIMBALL. MR. WILSON, MRS. RAYMOND.

1. **Vocal Music**—Training in correct fundamental principles preparatory to sight-reading. Chorus work. Two hours attendance. One hour credit for the year. First semester.
MRS. RAYMOND.
2. **Vocal Music**—1 continued. Second semester.
3. **Sight-Reading**—Choral training, including membership and practice in the university chorus. Applicants for this course must have carried courses 1 and 2, or show equivalent training. Three hours attendance. One hour credit. First semester.
MRS. RAYMOND.

4. **Sight-Reading**—3 continued. Two hours attendance. Second semester.

NOTE.—Only one of the courses below may be taken in any given semester. Courses 13 and 14 may be carried only as an elective after three years of resident work in the University.

7. **Theory of Music**—Text-books and lectures. Two hours attendance Two hours credit. First semester.
8. **Theory of Music**—7 continued. Second semester.
9. **Harmony**—Elementary. Notation, terminology, formation of chords, modulation; text-books, lectures composition and practice. Must be preceded by course 1. Two hours attendance. Two hours credit. First semester. MR. WILSON.
10. **Harmony**—9 continued. Second semester.
11. **Harmony**—Advanced. Suspension, harmonizing melodies, with *canti firmi* in the different voices, enharmonics, figuration, four-to-eight part-writing, study of form, counter point. Two hours attendance. Two hours credit. First semester. MR. WILSON.
12. **Harmony**—11 continued. Second semester.
13. **Piano, Pipe Organ, Voice or Violin**—Varying attendance and credit.
14. **Piano, Pipe Organ, Voice or Violin**—13 continued. Second semester.

ORNITHOLOGY

See Entomology and Ornithology.

PHILOSOPHY

PROFESSOR FRENCH, PROFESSOR BOLTON, ASSISTANT
PROFESSOR HINMAN

Students beginning work in this department may elect course 1 or 3. Before entering upon their courses they should consult the head of the department. Those who wish to secure the teacher's certificate must take courses 1 and 2, or, as a substitute for course 2, such a combination from courses 5 to 8 as may be worked out by the student in consultation with the head of the department.

Courses 1 to 4 do not count as graduate work.

COURSES

1. **General Psychology**—Introductory course. Three hours attendance. Three hours credit. First and second semesters.

PROFESSOR FRENCH AND ASSISTANTS.

2. **Experimental Psychology**—This course presupposes a knowledge of general psychology. Two hours attendance. Three hours laboratory. Three hours credit. First and second semesters.

PROFESSOR BOLTON.

3. **Logic, Deductive and Inductive**—Practice in the use of syllogistic forms, logical analysis, and the criticism of fallacies. Three hours attendance. Three hours credit. First and second semesters.

ASSISTANT PROFESSOR HINMAN.

4. **Metaphysics**—Introductory course. A constructive study of fundamental problems of scientific and philosophical thought, dealing with such conceptions as matter, force, life, heredity, evolution, purpose, mind, reason, reality, God. The course is designed to meet the needs of the scientific and general student and to serve also as a preparation for further work in philosophy. Lectures, discussions and prescribed readings. Three hours attendance. Three hours credit. First and second semesters.

ASSISTANT PROFESSOR HINMAN.

- *5. **Genetic Psychology—Animal Psychology**—Traces the development of intelligence throughout the animal series, comparing the mental elevation of typical species with the philogenetic development of their nervous systems. Beginning with the insects where the instinctive life reaches its culmination, special attention is given to the origin of mentally controlled activities in the decadence of instinct and later to the observations and experiments upon a few animals like chickens, rats, cats, dogs, and monkeys. Two hours attendance. Two hours credit. First semester.

PROFESSOR BOLTON.

- *6. **Genetic Psychology—Child Psychology**—Traces the course of mental development in the child from birth to adolescence. After treating of heredity in general, it deals particularly with such subjects as spontaneous activity, recognition, suggestion, imitation, emotion, play; associative memory, personal growth, language, knowledge, general ideas, and the formation of ideals. Two hours attendance. Two hours credit. Second semester.

PROFESSOR BOLTON.

- 5a. Social Psychology**—Lectures and readings from Baldwin, Tarde, and others. Two hours attendance. Two hours credit. First semester. PROFESSOR FRENCH.
- 6a. Race Psychology**—Based upon the writings of Topinard, Tylor, and others. Two hours attendance. Two hours credit. Second semester. PROFESSOR BOLTON.
- *7. Mental Pathology**—Lectures and assigned readings upon illusions, dreams, hypnotism, insanity, idiocy, deaf-mutism, blindness, diseases of speech, of will, of the emotions and allied topics. Two hours attendance. Two hours credit. First semester. PROFESSOR BOLTON.
- *8. Physiological Psychology**—A study of mental phenomena in their relation to the structure and functions of the nervous system. Two hours attendance. Two hours credit. Second semester. PROFESSOR BOLTON.
- *9. Special Studies in Experimental Psychology**—Essentially a laboratory course. In the first semester several short studies grouped about important topics are pursued. Lectures and discussions accompany the laboratory work. In the second semester each student undertakes the investigation of a special problem and presents the results of his experimental research and reference to related literature in a formal paper. Six hours laboratory work. First semester. PROFESSOR BOLTON.
- *10. Special Studies in Experimental Psychology**—9 continued—second semester.
- *11. History of Philosophy**—Outline study of the development and relations of the philosophical system from Thales to Spencer. Three hours attendance. Three hours credit. First semester. ASSISTANT PROFESSOR HINMAN.
- *12. History of Philosophy**—11 continued—Second semester.
- *14. Ethics**—An introductory study of the problems of the moral life and the history of ethical thought. Three hours attendance. Three hours credit. Second semester. PROFESSOR FRENCH.
- *15. Comparative Study of Religions**—The development of religion among Aryans and Semites is studied historically, with the aim of determining the basis and content of the religious conscious-

ness, and the great religions developed by these people are analyzed, in order to explain and evaluate the philosophical conceptions of life which they involve. Three hours attendance. Three hours credit. First semester. ASSISTANT PROFESSOR HINMAN

- *16 Philosophy of Religion**—A study of the growth of religious belief in view of modern science, philosophy, and biblical criticism. Three hours attendance. Three hours credit. Second semester.

PROFESSOR FRENCH.

- *18. Aesthetics**—A study of the significance of beauty and of art, with a discussion of the basis of our canons of taste. Two hours attendance. Two hours credit. Second semester.

ASSISTANT PROFESSOR HINMAN.

- *19. Advanced Metaphysics**—A systematic study of the philosophical basis of contemporary natural science, with special reference to the interpretations given by such writers as Haeckel, Spencer, Lord Kelvin, and others. Two hours attendance. Two hours credit. First semester.

ASSISTANT PROFESSOR HINMAN.

- *20. Advanced Metaphysics**—19 continued—Second semester.

PHYSICAL EDUCATION

PROFESSOR CLAPP, ADJUNCT PROFESSOR BARR-CLAPP, MISS TOWNE, MR. LANE

The courses in physical education (practice) are open, as electives, to men. No students may take work in the department without regular registration.

Members of all classes in physical education and of all university athletic teams are required to take a physical examination at the beginning of the college year, or at the beginning of the semester in which that training begins.

All women are required to take physical training four days in the week for the first two years, unless excused by the chancellor.

The general health of all women in this department is carefully looked after by the director of the women's gymnasium. Special exercises are given to those whose health does not permit their taking the general class work.

Men are required to wear gray Turner trousers, navy blue sleeveless jerseys and heelless shoes. Women are required to wear uniform suits, which should be ordered after consulting the instructor.

The course in physical education requires men to complete courses 13, 14, 15, and 16 in physical education (practice), and courses 1, 2, 3, 5, 6, 7, 8, 10, 12, 17, 18, 19 and 20 in physical education (theory). It requires women to complete the same courses in theory, and courses 21, 22, 23, 24, 25, and 26 in physical education (practice).

The professional work requisite for a university certificate for this course should be taken with other undergraduate studies.

PHYSICAL EDUCATION—THEORY

1. **Hygiene**—The history of the subject in brief. Advantages of regular exercise. Bathing and clothing. Care of the eye. Respiration and circulation. Digestion; foods, their value, source and digestibility. Stimulants and narcotics. Ventilation, heating, draining and plumbing. Special physiology and personal purity. Two hours attendance. Two hours credit. First semester.

PROFESSOR CLAPP.

- [2. **Physical Diagnosis**—Theory and practice of the normal and abnormal physical signs of the thoracic organs. Two hours attendance. Two hours credit. Second semester.

PROFESSOR CLAPP.

Not given in 1904-1905.

- [*3. **Anthropometry**—Origin of the science. Laws of human proportion. Statistical and diagnostic value of measurements. The average, mean type and ideal defined and discriminated. Practice in recording measurements and making out charts. Two hours attendance. Two hours credit. Second semester.

ADJUNCT PROFESSOR BARR-CLAPP.

Demonstrators: MR. LANE, MISS TOWNE.

Not given in 1904-1905.

5. **General Athletic Training**—Theory of training for all branches of athletics. Ancient and modern methods compared. Diet, sleep, bathing, and rubbing. One hour attendance. One hour credit. First semester.

PROFESSOR CLAPP.

6. **Emergencies**—Recitation and demonstration. One hour credit. For students in domestic science, two hours, with additional readings. Second semester.

ADJUNCT PROFESSOR BARR-CLAPP.

7. **Kinesiology**—Aims, varieties and effects of gymnastic movements. Swedish and German methods. Gymnastic terminology. Hygienic,

educative, and recreative exercises. Two hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR BARR-CLAPP.

8. **Physiology of Bodily Exercise**—The physiological features of training, breathlessness, fatigue, and stiffness. The use of apparatus for testing the rate of respiratory movements and circulation before and after exercise. Lectures and experimental work. Two hours attendance. Two hours credit. Second semester.

PROFESSOR CLAPP.

- [10. **Prescription of Exercise**—Corrective gymnastics as applied to all abnormal conditions. Special lectures to women on pelvic anatomy. Massage. Theory and practice. Two hours attendance. Two hours credit. Second semester.

PROFESSOR CLAPP, ADJUNCT PROFESSOR BARR-CLAPP.]

Not given in 1904-1905.

12. **Methods and Equipment of a Department**—The gymnasium and athletic field, construction, equipment, organization, rules and management. One hour attendance. One hour credit. Second semester.

PROFESSOR CLAPP.

Not given 1904-1905.

17. **Methods in Teaching**—Two hours attendance. Two hours credit. First semester. Men, PROFESSOR CLAPP; women, ADJUNCT PROFESSOR BARR-CLAPP. (Consult instructors before registering.)

18. **Methods in Teaching**—17 continued. Second semester.

19. **Track Athletics**—Theory and practice. Systematic preparation for indoor and outdoor athletic events. One hour theory and one hour practice. One hour credit. First semester.

PROFESSOR CLAPP.

20. **Track Athletics**—19 continued. Second semester.

PHYSICAL EDUCATION--PRACTICE

MEN

13. (A1). **Light Gymnastics**—Body building, free hand work and wands. Heavy gymnastics, elementary movements on parallel bars, side and long horse, buck, vaulting and horizontal bar, and tumbling. Simple gymnastic games and contests. Three hours attendance. One hour credit. First semester.

PROFESSOR CLAPP, MR. LANE.

14. (A2). **Light Gymnastics**—13 continued. Indian clubs, dumb bells, and bar bells. Heavy gymnastics; more advanced work on all the heavy gymnastic apparatus. Gymnastic and athletic games and contests. Three hours attendance. One hour credit. Second semester.

PROFESSOR CLAPP, MR. LANE.

15. (AA1). **Light Gymnastics**—Advanced course. Advanced heavy gymnastics. For those who have completed 13 and 14, or their equivalent. First semester.

PROFESSOR CLAPP, MR. LANE.

16. (AA2). **Light Gymnastics**—15 continued. Second semester.

27. **Teacher's Course**—Especially intended for those wishing a knowledge of physical training for use in public schools. Two hours attendance. One hour credit. First semester.

PROFESSOR CLAPP

28. **Teacher's Course**—27 continued. Second semester.

29. **Heavy Gymnastics**—Fancy apparatus work. For those proficient in apparatus work only. Two hours credit. First semester.

PROFESSOR CLAPP, MR. LANE.

30. **Heavy Gymnastics**—29 continued. Second semester.

31. **Leaders' Class**—Students should consult head of the department before registering for this course. Members must be proficient in all forms of gymnastics. One hour credit. First semester.

PROFESSOR CLAPP.

32. **Leaders' Class**—31 continued. Second semester.

WOMEN—FIRST YEAR.

21. (a1). **Light Gymnastics**—Instructions in walking and standing positions, military drill, setting-up exercises, Swedish gymnastics, gymnastic games. One hour credit. First semester.

ADJUNCT PROFESSOR BARR-CLAPP.

22. (a2). **Light Gymnastics**—21 continued. In addition, elementary work on springboards, ropes, poles, ladders, and horse. One hour credit. Second semester. ADJUNCT PROFESSOR BARR-CLAPP.

SECOND YEAR.

23. (aa1). **Light Gymnastics**—Military and figure marching, advanced work with dumb-bells, wands, clubs; apparatus work on horse,

parallel bars, vaulting bars, ladders, flying and traveling rings and buck. Athletic and gymnastic games, basket ball. One hour credit. First semester. ADJUNCT PROFESSOR BARR-CLAPP.

24. (aa2) **Light Gymnastics**—23 continued. Besides regular class basket ball teams, a 'varsity and substitute team are formed during the first semester. Field hockey, tennis, and as much outdoor work as possible during the fall and spring months. Second semester. ADJUNCT PROFESSOR BARR-CLAPP.
25. **Gymnastics and Athletics**—Advanced course. Advanced work on horse, parallel bars, vaulting bar, ladders, flying and traveling rings and buck. Instruction in the running high jump, broad jump and hurdling. Consult instructor before registering First semester. ADJUNCT PROFESSOR BARR-CLAPP.
26. **Gymnastics and Athletics**—25 continued. In addition foil fencing and Swedish folk dances for recreative work.

PHYSICS

PROFESSOR BRACE, ASSISTANT PROFESSOR MOORE, ASSISTANT PROFESSOR SKINNER, ADJUNCT PROFESSOR ALMY.

To enter the general courses the student must have completed the two "credit points" under requirements for admission.

Courses 1, 2, 3, and 4 consist of a series of lectures on all the chief topics of the science. The student is required to note the points discussed, and at intervals to present for inspection and correction his completed notes. A supplementary laboratory course is given.

COURSES

1. **General and Experimental Physics**—The mechanics of solids and fluids. Three hours attendance. Four hours laboratory. Three hours credit. First semester. PROFESSOR BRACE, ASSISTANT PROFESSOR SKINNER, ADJUNCT PROFESSOR ALMY, MR. SPENCER.
2. **General and Experimental Physics**—Sound and heat. Three hours attendance. Four hours laboratory. Three hours credit. Second semester. PROFESSOR BRACE, ASSISTANT PROFESSOR SKINNER, MR. SPENCER.
3. **General and Experimental Physics**—Geometrical and physical optics. Two hours attendance. Four hours laboratory. Two hours credit. First semester. ASSISTANT PROFESSOR MOORE, ASSISTANT PROFESSOR SKINNER, MR. SPENCER.

4. **General and Experimental Physics**—Electricity and magnetism. Two hours attendance. Four hours laboratory. Two hours credit. Second semester. ASSISTANT PROFESSOR MOORE, MR. SPENCER.
5. **Construction and Manipulation of Physical Apparatus**—Construction and assembling of the simpler apparatus, such as is used in the laboratory and in the class-room of the accredited high-schools; methods of demonstrations in general physics; practical work in glass-blowing, grinding, cutting, etching, metal working, silvering, electro-plating, etc. Students preparing to teach should take courses 5 and 6 in addition to 1, 2, 3, and 4. Three hours attendance. Three hours credit. First semester.
PROFESSOR BRACE, MR. SPENCER.
6. **Construction and Manipulation of Physical Apparatus**—5 continued. Second semester.
7. **Experimental Physics**—Advanced. Methods of exact measurements and precision. Nine hours laboratory. Three hours credit. First semester. PROFESSOR BRACE, ADJUNCT PROFESSOR ALMY.
8. **Experimental Physics**—7 continued. Second semester.
9. **Electrical Measurements**—Twelve hours laboratory. Four hours credit. First semester. ASSISTANT PROFESSOR MOORE.
10. **Problems in Electricity and Magnetism**—Two hours attendance. Two hours credit. Second semester.
ASSISTANT PROFESSOR MOORE.
11. **Theoretical Physics**—Elementary course in mechanics, fluid motion, wave theory of light and sound, heat conduction, thermodynamics, and the kinetic theory of fluids. A knowledge of the calculus is necessary. Four hours attendance. Four hours credit. First semester.
PROFESSOR BRACE OR ADJUNCT PROFESSOR ALMY.
12. **Theoretical Physics**—11 continued. Second semester.

POLITICAL ECONOMY AND SOCIOLOGY

PROFESSOR TAYLOR, PROFESSOR ROSS, ADJUNCT PROFESSOR
ARBUTHNOT, MR. PREVEY, MRS. TAYLOR

Students are recommended to take courses 15 and 16 before other courses. For those intending to teach economics, courses 15 and 16,

which serve as a model of the economic work for high schools, are recommended.

Course 1 must be taken either simultaneously with, or previously to all economic courses except courses 9, 15, and 16.

COURSES APPROPRIATE TO STUDENTS OF DIFFERENT YEARS

SENIOR

FIRST SEMESTER

Crises
Seminaries
Corporations
History of Economics

SECOND SEMESTER

Crises
Advanced Economics
Advanced Sociology
Seminaries

JUNIOR

Municipal Government
Financial History of the United States
Economic Problems
Sociology

American Agriculture
Money and Banking
Public Finance
Social Psychology

SOPHOMORE

Elementary Political Economy
Charities and Correction

Railroads
Labor Problems

FRESHMAN

American Economic History

American Economic History

COURSES

1. **Political Economy**—Elementary course. Preliminary view of the subject with a text. Those who have already taken courses 15 and 16 have a desirable preparation for this rapid survey. Three hours attendance. Three hours credit. First semester.

PROFESSOR TAYLOR.

- *2. **Political Economy**—Advanced course. The later theories of value and distribution broadly combined with the results of organic and social researches. Three hours attendance. Three hours credit. Second semester. ADJUNCT PROFESSOR ARBUTHNOT.

3. **Financial History of the United States Since 1860**—Parallel readings, reports. It is recommended that this course be pre-

ceded by courses 3 and 4 of American history. Two hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR ARBUTHNOT.

- [*4. **Political Economy**—Advanced course. Text-book on capital. Discussion in current economic literature. Two hours attendance. Two hours credit. Second semester.

ADJUNCT PROFESSOR ARBUTHNOT.]

Not given in 1904-1905. Given in 1905-1906.

5. **Corporations**—History and development. Two hours attendance. Two hours credit. First semester.

ADJUNCT PROFESSOR ARBUTHNOT.

7. **Economic Problems**—Lectures and semester reports. Corporations, trusts, railroad rates, urban transit, labor and capital, and labor legislation. Course 1 required. Three hours attendance. Three hours credit. First semester.

PROFESSOR ROSS.

- *8. **Public Finance**—Special attention to the problems of state and local taxation in America. Three hours attendance. Three hours credit. Second semester.

PROFESSOR ROSS.

9. **Municipal Government**—References to current literature; reports and several papers. Three hours attendance. Three hours credit. Second semester.

ADJUNCT PROFESSOR ARBUTHNOT.

10. **Socialism**—Examination of the works of some of the leading socialists. Brief examination of the theory of the single tax. Lectures and readings. Three hours attendance. Three hours credit. Second semester.

MR. PREVEY.

- *11. **Business Crises**—Lectures on the crisis of 1893 and on the theory of crises. Readings and reports. Open to students who have had courses 1 and 18. One hour attendance. One hour credit. First semester.

PROFESSOR TAYLOR.

Continued in the second semester as course 30.

12. **Business Crises**—11 continued. Second semester.

14. **Railroads**—Development and policy in the United States. Three hours attendance. Three hours credit. Second semester.

PROFESSOR ROSS.

15. *a* **American Economic History up to 1860.** *b* Instruction in the organic conception of industrial society, by means of inductive

exercises. This course (*a* and *b*) treats of the matter recommended for high schools and is intended as the beginning course for undergraduates, as well as for those who expect to teach in high schools. Three hours attendance. Three hours credit. First semester.

a Two hours credit.

MRS. TAYLOR.

b One hour credit.

ADJUNCT PROFESSOR ARBUTHNOT.

16. **American Economic History Since 1860**—15 continued. Students can enter course 16 who have not had course 15. Second semester.

18. **Money**—Exchanges, banking, and bimetallism. Lectures, discussions, parallel readings and reports, and frequent short theses. Three hours attendance. Three hours credit. Second semester.

PROFESSOR TAYLOR.

*19. **Seminary**—Open to graduates and to a limited number of other advanced students. Course 11 should be taken in connection with this course. Three hours attendance. Three hours credit. First semester.

PROFESSOR TAYLOR.

*20. **Seminary**—19 continued. Second semester.

21. **History of Economics**—Three hours attendance. Three hours credit. First semester.

MR. PREVEY.

22. **Labor Problems**—Three hours attendance. Three hours credit. Second semester.

ADJUNCT PROFESSOR ARBUTHNOT.

24. **American Agriculture**—Historical survey of the progress of agriculture. A comparison of the land systems of the United States and other countries. Problems of the rural community. Statistical study of farm mortgages. Cooperation. Three hours attendance. Three hours credit. Second semester.

MR. PREVEY.

[31. **Elementary Sociology**—Lectures with lantern slides. This course is abundantly illustrated in order to give a graphic idea of the variety of social forms, and to show the actual evolution of each of the great departments of social life. It is intended for those who wish a general view of the subject as well as for all who expect to take the more advanced courses in sociology. Three hours attendance. For the lectures one hour credit. For the lectures and certain prescribed reading, two hours credit. First semester.

PROFESSOR ROSS.]

Not given in 1904-1905. Given in 1905-1906.

32. **General Sociology**—Lectures and text. Three hours attendance. Three hours credit. First semester. PROFESSOR ROSS.
33. **Charities** — Economic and social aspects of poor-relief. Visits to charitable institutions. Three hours attendance. Three hours credit. First semester. MR. PREVEY.
34. **The Psychology of Society**—The laws of mob-mind, "craze," "fad," fashion, conventionality, custom, "standard of comfort," "spirit of the age," public opinion, etc. Studies of invention, innovation, leadership, the influence of great men. Three hours attendance. Three hours credit. For simple attendance, one hour credit. Second semester. PROFESSOR ROSS.
- [35. **Seminary in Colonies and Colonizations** — Synthetic course dealing with the problems of economics, sociology, finance, and government presented by the over-sea colony. Special attention to the colonial problems of the United States. One two-hour session a week. Two hours credit. First semester. PROFESSOR ROSS.]
Not given in 1904-1905. Given in 1905-1906.
36. **Seminary on Cities**—Growth, location, structure and economic basis. Comparison of city with country in respect to race, sex, age, birth rate, marriage, divorce, longevity, pauperism, education, moral character, and political traits. One two-hour session a week. Two hours credit. Second semester. PROFESSOR ROSS.
37. **Seminary on the Dynamics of Population**—The factors which influence the quantity and quality of population. For graduates only. One two-hour session a week. Two hours credit. First semester. PROFESSOR ROSS.

RHETORIC

ASSOCIATE PROFESSOR FOGG, ASSOCIATE PROFESSOR FRYE,
MR. PIPER, MR. SHEDD

1. **Composition** — Elementary course. Required of all first-year students in the College of Literature, Science, and the Arts, and in the Industrial College. Elements and principles of effective composition in English prose, with studies in the work of representative modern writers. Two hours attendance. Two hours credit. First semester. MR. PIPER, MR. SHEDD.
2. **Composition**—1 continued. Second semester.

3. **Composition**—Advanced course. Exercises in expository composition. Two hours attendance. Two hours credit. First semester. ASSOCIATE PROFESSOR FRYE.
4. **Composition**—3 continued. Second semester.
5. **Composition**—Advanced course. Required of all second-year students in the Industrial College excepting those in the pre-medical and engineering groups. More sustained and complete studies in expository writing. Three hours attendance. Three hours credit. First semester. ASSOCIATE PROFESSOR FRYE.
6. **Composition**—5 continued. Second semester.
7. **Composition**—Advanced course. Studies in structure and style. Daily practice in theme-writing on classic English models. Open to those only who have taken courses 1, 2, 3, and 4 (or 5 and 6), and English literature 5, 6, 13, and 14. Two hours attendance. Three hours credit. First semester. ASSOCIATE PROFESSOR FRYE.
8. **Composition**—7 continued. Second semester.
- [*9. **Composition**—Advanced course. Studies in rhetorical theory. Two hours attendance. Two hours credit. First semester. ASSOCIATE PROFESSOR FRYE.]
Not given in 1904-1905. Given in 1905-1906.
- [*10. **Composition**—9 continued. Second semester.]
- [*11. **The Essay**—Advanced course in composition. This course is based on the study of masterpieces of the didactic essay (scientific exposition) and of the personal essay. Lectures, frequent themes, personal guidance. Two hours attendance. Two hours credit. First semester. ASSOCIATE PROFESSOR FOGG.]
Not given in 1904-1905. Given in 1905-1906.
- [*12. **The Essay**—11 continued. Second semester.]
- *13. **Argumentative Composition**—For students in general, this course affords training in the principles of effective argumentation, whether written or oral. For those students who wish to take work in debate, this course gives a foundation. For admission to a course in debate, at least one semester of 13, 14 or its equivalent is required. Briefs, forensics, personal conferences. Open

to all students on consent of the instructor. Two hours attendance. Three hours credit. First semester.

ASSOCIATE PROFESSOR FOGG AND ASSISTANTS.

- *14. **Argumentative Composition**—13 continued. Second semester.
- *15. **Debate**—Introductory course. Systematic training in the principles and practice of oral discussion. Scientific investigation of current questions. Briefs, forensics, personal conferences. Criticism of matter, literary form, and delivery. Open ordinarily only to those who have taken at least the first semester of course 13, 14 or its equivalent, but to others with the consent of the instructor. Membership in this course is limited to twenty. Two hours attendance. Three hours credit. First semester. ASSOCIATE PROFESSOR FOGG and professors representing the departments in which the questions debated mainly lie.
- *16. **Debate**—15 continued. Open to those who have taken course 13 or 15, and to others with the consent of the instructor. Second semester.
- *17. **Debate**—Advanced course. Open to those who have taken 15 or 16, and to others with the consent of the instructor. Membership in this course is limited to twenty. Two hours attendance. Three hours credit. First semester. ASSOCIATE PROFESSOR FOGG and professors representing the departments in which the questions debated mainly lie.
- *18. **Debate**—17 continued. Admission by consent of the instructor. Second semester.
- *19. **Public Address (exclusive of Debate)**—Especially emphasizing persuasion and literary style, this course and 20 supplement the training given by the courses in argumentative composition and debate. Lectures on, and class-room study of, masterpieces of representative English and American orators—Burke, Erskine, Webster, Lincoln, Curtis, Phillips. Practice in composing the deliberative (argumentative) oration, the eulogy, the commemorative address, etc. Each member reads before the class during the year one or two of his addresses. To have taken, or to be taking, course 13 is advantageous but not requisite. Two hours attendance. Three hours credit. First semester.

ASSOCIATE PROFESSOR FOGG.

- *20. **Public Address (exclusive of Debate)**—19 continued. Second semester.
- *22. **Debate**—Advanced course. Membership in this course is limited to twenty. Three hours credit. Second semester.
ASSOCIATE PROFESSOR FOGG.
25. **Modern English Verse**—A practical course in the construction of English verse in both form and phrasing, with a critical study of specimens. Two hours attendance. Two hours credit. First semester.
MR. PIPER.
26. **Modern English Verse**—25 continued. Second semester.
27. **Journalism**—Two hours attendance. Two hours credit. First semester.
MR. SHEDD.
28. **Journalism**—27 continued. Second semester.
- *29. **The Short Story**—Admission by consent of the instructor. Two hours attendance. Two hours credit. First semester.
MR. SHEDD.
- *30. **The Short Story**—29 continued. Second semester.
- *41. **The Nineteenth Century Essayists**—This course and 42 deal with Jeffrey, Hazlitt, Lamb, Macauley, DeQuincey, Carlyle, Ruskin, Arnold, Newman, and Stevenson. Lectures on prose style and literary criticism. Written discussions. Two hours attendance. Two hours credit. First semester.
ASSOCIATE PROFESSOR FOGG.
- *42. **The Nineteenth Century Essayists**—41 continued. Second semester.
- *49. **English Romanticism**—A brief course in comparative literature with particular reference to the eighteenth century. A reading knowledge of French is requisite. Admission by consent of the instructor. Two hours attendance, Two hours credit. First semester.
ASSOCIATE PROFESSOR FRYE.
- *50. **English Romanticism**—49 continued. Second semester.

ROMAN HISTORY AND LITERATURE

PROFESSOR BARBER, ASSOCIATE PROFESSOR JOHNSON,
MISS HUNTER

The instruction aims to impart an understanding of the principles of the language through a study of its development and wide reading

in the literature. The intention is to lead the student to build up his grammatical knowledge and to master the laws of the language from his own reading.

The instruction is not confined to linguistic and literary lines solely. The character and institutions of the Roman people are also studied with the view of leading students to an understanding of the ancient Roman civilization and its bearing on modern life.

To enter course A the student must have had four books of Caesar with Latin composition. To enter course 1 the student must have completed courses A, B, C, and D.

Courses A and B give the student two preparatory credit "points" or six hours of college credit. Courses C and D two preparatory credit "points" and two hours of college credit or ten hours of college credit.

COURSES

A. **Cicero**—Three orations with Latin composition and a thorough drill in syntax. In written exercises the long vowels are marked. Three hours attendance. Three hours credit. First semester.

MISS HUNTER.

B. **Cicero**—A continued. Second semester.

C. **Vergil**—Three books of *Aeneid*. A thorough drill in prosody, case constructions, and poetic expressions. Five hours attendance. Five hours credit. First semester.

D. **Ve gil**—Three books of *Aeneid*. Ovid's *Metamorphoses*, Two books. Drill as in C. Students should be able to read metrically hexameters at sight. Five hours attendance. Five hours credit. Second semester.

1. **Cicero**—*De Senectute* with Latin composition. A thorough drill in the syntax of moods and tenses; special attention is given to the classification of subordinate clauses. Four hours attendance. Four hours credit. First semester.

PROFESSOR BARBER.

2. **Livy**—Books XXI and XXII. Practice at sight reading. Study of moods and tenses and of subordinate clauses continued. Four hours attendance. Four hours credit. Second semester.

PROFESSOR BARBER.

3. **Horace**—Selected odes, epodes, satires, epistles, and *Ars Poetica*. A few of the finer passages memorized and occasional resumes written; a brief view of social life in Horace's time; prosody. Four hours attendance. Four hours credit. First semester.

ASSOCIATE PROFESSOR JOHNSON.

4. **Plautus and Terence**—*Captivi and Adelphoe*. A brief introduction to the study of the Roman drama; prosody. Tacitus' *Germania and Agricola*. Hints upon Tacitus' style. Four hours attendance. Four hours credit. Second semester.

ASSOCIATE PROFESSOR JOHNSON.

5. **Suetonius**—*Lives of Julius and Augustus Caesar*. Sight reading Talks upon Roman life. Two hours attendance. Two hours credit. First semester.

PROFESSOR BARBER

- *6. **Pliny and Juvenal**—Selected letters. Selected satires. Reading from hearing. Collateral readings on Roman social life. Two hours attendance. Two hours credit. Second semester.

PROFESSOR BARBER.

- *7. **Roman Archæology**—Topography and the construction of buildings, walls, and fortifications in ancient Rome. Lectures, illustrated with lantern slides. Papers are required of students on special topics. One hour attendance. One hour credit. First semester.

PROFESSOR BARBER.

1904-1905 and alternate years. Not given in 1905-1906.

- *8. **Roman Antiquities**—Public and private life of the Romans; arrangement of their houses; wall decorations in Pompeii. Lectures, illustrated with lantern slides. Papers as in course 7. One hour attendance. One hour credit. Second semester.

PROFESSOR BARBER.

1904-1905 and alternate years. Not given in 1905-1906.

- *9. **Cicero's Letters**—The selection arranged to throw light upon the life and time of Cicero; lectures on the style of the letters. Two hours attendance. Two hours credit. First semester.

ASSOCIATE PROFESSOR JOHNSON.

- *10. **Quintilian**—Book X and selections from Book XII. Books I and II are assigned for collateral reading as showing the educational methods in the first century A. D. Two hours attendance. Two hours credit. Second semester.

ASSOCIATE PROFESSOR JOHNSON.

- *11. **Composition**—Practice in connected Latin writing. One hour attendance. One hour credit. First semester.
ASSOCIATE PROFESSOR JOHNSON.
- *12. **Composition**—11 continued. Second semester.
- *13. **Latin Grammar**—An elementary course in the historical development of the Latin moods. Lectures. One hour attendance. One hour credit. First semester. PROFESSOR BARBER.
- *14. **Latin Grammar**—13 continued. Second semester.
- *15. **Plautus and Terence**—*Menaechmi, Andria*—Lectures on the history of the Roman drama; a study of the language of comedy as compared with that of classic prose. Two hours attendance. Two hours credit. First semester. ASSOCIATE PROFESSOR JOHNSON.
- *16. **Cicero**—*Tusculan Disputations* or *De Officiis*. With lectures on Cicero's philosophy. Oral or written summaries in Latin of the text read. Two hours attendance. Two hours credit. Second semester. ASSOCIATE PROFESSOR JOHNSON.
- *17. **The History of Roman Literature**—Lectures, with selections from representative authors. Two hours attendance. Two hours credit. First semester. ASSOCIATE PROFESSOR JOHNSON.
- *18. **History of Roman Literature**—17 continued. Second semester.

ROMANCE LANGUAGES AND LITERATURE XII

PROFESSOR CONKLIN, MISS KORSMEYER.

General undergraduate work enables the student to read, with critical accuracy and appreciation, modern and classical French.

Special undergraduate work provides for extended library study in French, for practical drill in writing and speaking French, and for the study of Italian and Spanish. Advanced students may, with the consent of the head of the department, avail themselves of the instruction offered in the Graduate School.

COURSES

FRENCH

1. **French**—Introductory course. Five hours attendance. Five hours credit. First semester.
PROFESSOR CONKLIN, MISS KORSMEYER.
2. **French**—1 continued. Second semester.

- 3. French**—Second year course. Advanced reading. Three hours attendance. Three hours credit. First semester.

PROFESSOR CONKLIN, MISS KORSMEYER.

- 4. French**—3 continued. Second semester.

- 5. French Writing and Speaking**—Must be taken with 3. Two hours attendance. Two hours credit. First semester.

PROFESSOR CONKLIN, MISS KORSMEYER.

- 6. French Writing and Speaking**—5 continued. Must be taken with 4. Second semester.

- *7. Seventeenth and Eighteenth Century Literature**—Two hours attendance. Two hours credit. First semester.

MISS KORSMEYER.

- *8. Seventeenth and Eighteenth Century Literature**—7 continued. Second semester.

- *9. Critical Study of Nineteenth Century Authors**—Three hours attendance. Three hours credit. First semester.

PROFESSOR CONKLIN.

- *10. Critical Study of Nineteenth Century Authors**—9 continued. Second semester.

- 11. French Writing and Speaking**—Advanced course. Two hours attendance. Two hours credit. First semester.

PROFESSOR CONKLIN.

- 12. French Writing and Speaking**—11 continued. Second semester.

- *15. French Literature**—Must be preceded by 7, 8, 9, 10, or equivalent work. Two hours attendance. Two hours credit. First semester.

PROFESSOR CONKLIN.

- *16. French Literature**—15 continued. Second semester.

ITALIAN

- *19. Italian**—Introductory course. Three hours attendance. Three hours credit. First semester.

MISS KORSMEYER.

- *20. Italian**—19 continued. Second semester.

SPANISH

- *23. Spanish**—Introductory course. Three hours attendance. Three hours credit. First semester.

PROFESSOR CONKLIN.

- *24. Spanish**—23 continued. Second semester.

ZOOLOGY

PROFESSOR WARD, ASSOCIATE PROFESSOR WOLCOTT, ADJUNCT
PROFESSOR LILLIE, ADJUNCT PROFESSOR WILLARD,
MR. BARKER

Botany 1 and 2 should precede or accompany zoology 1 and 2, and German 3b is very valuable in connection with the work of the second year in zoology. The ability to read German and French is of great advantage in all courses of the department and is required in all graduate work.

Courses 1 and 2 or their equivalent are required for all courses except 8a and 28. Courses 5 and 8 must precede all subsequent work, except in the case of students in the course in physical education who are given permission to take courses 11 and 12 in the second year. Course 9 must also precede course 10. Assigned reading is required in connection with most of the courses offered.

COURSES

1. **General Zoology**—For beginners and those who desire a comprehensive view of the subject. A concise survey of the anatomy, physiology, development, distribution, and modifications of animal life. Three hours attendance. Four hours laboratory. Three hours credit. First semester.

PROFESSOR WARD, MR. BARKER.

2. **General Zoology**—1 continued. Second semester.

- *5. **Invertebrate Morphology**—Protozoa, Coelenterata, and Vermes. For those intending to study medicine especial attention is paid to the groups of parasitic forms. Methods of gross dissection and microscopical anatomy are combined, thus offering an introduction in microscopical technique. Four hours attendance. Eight hours laboratory. Four hours credit. First semester.

- [*6. **Invertebrate Morphology**—Arthropoda, Mollusca and Echinodermata. Four hours credit. Second semester.

PROFESSOR WARD.

Not given in 1904-1905.

- *8. **Vertebrate Comparative Anatomy**—Lectures cover the entire group of vertebrates. Laboratory work includes the complete dissection of a fish, amphibian, and reptile or bird, with demonstrations from preparations in other groups. The student learns,

from practical work on his own specimens, methods of preparing dissection material, injection of circulatory system, etc. Four hours attendance. Eight hours laboratory. Four hours credit. Second semester. ADJUNCT PROFESSOR WILLARD.

- *8a. Comparative Osteology of the Vertebrates**—Lectures on the origin and development of the vertebrate skeleton, and its various modifications, with detailed laboratory study of the human skeleton accompanied by drawing and modelling. Particularly intended for those who plan to study medicine or physical education. Two hours attendance. Three hours laboratory. Two hours credit. Second semester.

ASSOCIATE PROFESSOR WOLCOTT.

- *9. Vertebrate Histology**—Microscopic anatomy of the higher vertebrates with especial reference to human histology. Students desiring technique should take course 26 in addition to this course. One hour attendance. Six hours laboratory. Three hours credit. First semester.

ADJUNCT PROFESSOR LILLIE.

- *10. Vertebrate Embryology**—Lectures on general embryology. Laboratory course on the development of the frog, chick, and pig, with methods of graphic and plastic reconstruction. Three hours attendance. Six hours laboratory. Three hours credit. Second semester.

ADJUNCT PROFESSOR LILLIE.

- [*11. Mammalian Anatomy**—Laboratory course on the anatomy of the cat. Two hours quiz. Six hours laboratory. Three hours credit. First semester. ASSOCIATE PROFESSOR WOLCOTT.]

Not given in 1904-1905. Given in 1905-1906 and alternate years.

- [*12. Mammalian Anatomy**—11 continued. Second semester.]

- *13. Structure of the Central Nervous System**—A review of the modifications exhibited by the different vertebrate groups, leading to more detailed study of the human brain and cord, with such embryological and physiological data as give the students a clear conception of the structure, relationship, and significance of the different parts of the central nervous system. Two hours attendance. Three hours laboratory. Two hours credit. First semester. ADJUNCT PROFESSOR WILLARD.

- *14. **Structure of the Sense Organs and the Peripheral Nerve Endings**—Similar in character to preceding course. Two hours credit. Second semester. ADJUNCT PROFESSOR WILLARD.
- *25. **Anatomy and Physiology of the Cell**—The structure and activities of the animal cell, with practice in the preparation of material for cytological study. Two hours attendance. Four hours laboratory. Two hours credit. First semester.
- *26. **Histology and Histological Methods**—Advanced. Supplementing course 9 and embracing especially various methods for preparing material. Occasional lectures. Four hours laboratory. Two hours credit. Second semester.
31. **Forest Zoology**—Lectures on the principles of zoology and the various animal forms; their development, structure, physiology, and general distribution, with especial reference to those having some relationship to the forest. Intended particularly for students of forestry. Two hours attendance. Two hours laboratory. Two hours credit. First semester.
ASSOCIATE PROFESSOR WOLCOTT.
32. **Forest Zoology**—31 continued. Lectures on the life, history and habits of those animals, exclusive of insects, which affect the forest, beneficially or injuriously. Methods of controlling the latter class. Two hours attendance. Two hours laboratory and field work. Two hours credit.
ASSOCIATE PROFESSOR WOLCOTT.
43. **Nature Study**—Lectures on the more familiar animals of Nebraska available for the teaching of nature study, with especial reference to the biological principles underlying their structure, habits, and distribution in the state; on methods of observing, collecting, keeping and studying them in the laboratory; on methods of presenting the subject in the schools, together with discussion or reference books. Designed especially for those called upon to teach the subject in the schools. May be taken only in conjunction with the corresponding course in botany. One hour attendance. Two hours of laboratory, museum, or field work. One hour credit. First semester.
PROFESSOR WARD,
ASSOCIATE PROFESSOR WOLCOTT.
44. **Nature Study**—43 continued. Second semester.

LECTURE COURSES

- *22. **History of Zoology**—A review of the development of the subject and the rise of zoological theories. Two hours attendance. Two hours credit. Second semester. PROFESSOR WARD.
- *23. **Current Literature on Animal Morphology**—Reviews and discussion of recent publications according to assigned topics. Varies from year to year and may be elected repeatedly if desired. One hour attendance in evening. One hour credit. First semester. PROFESSOR WARD.
- *24. **Current Literature on Animal Morphology**—23 continued. Second semester.

PHYSIOLOGY

3. **General Physiology**—General and chemical physiology; physiology of blood, muscle nerve; special physiology of circulation, respiration, digestion, secretion, excretion, nutrition, metabolism. Courses 1 and 2 required. Elementary chemistry and physics should also precede this course wherever possible. Two hours lectures. Three hours laboratory. Two hours credit. First semester. ADJUNCT PROFESSOR LILLIE.
4. **General Physiology**—3 continued. Second semester.
35. **Physiology**—Advanced course—4 continued. Metabolism, nutrition, heat production. Applications of physical chemistry to problems of physiology. Physiology of central nervous system and sense organs, special and comparative. Two hours lecture. Three hours laboratory. Two hours credit. First semester. ADJUNCT PROFESSOR LILLIE.
36. **Physiology**—Advanced course—35 continued. Second semester.

THE
COLLEGE OF LAW

FACULTY OF THE COLLEGE OF LAW

ELISHA BENJAMIN ANDREWS, LL.D.
Chancellor and President of the University Senate
University Hall 102

ROSCOE POUND, PH.D.
Dean of the College of Law and Professor of Law
University Hall 307

HENRY H. WILSON, A.M., LL.M.
Professor of Law
University Hall 208

CHARLES AUGUSTUS ROBBINS, PH.D., LL.B.
Professor of Law
University Hall 208

WALTER WHEELER COOK, A.M., LL.M.
Professor of Law
University Hall 208

JOHN JAMES LEDWITH, B.Sc., LL.B.
Assistant Instructor in Law
University Hall 208

THE COLLEGE OF LAW

A law school forming part of a university offers many advantages in the way of free lecture courses, opportunities for pursuing kindred studies, general library facilities, students' societies and clubs not to be had in an independent law school or in the law department of a university located apart from its other colleges and schools.

ADMISSION

The College of Law offers undergraduate courses leading to the degree of Bachelor of Laws. No distinction is made on account of sex or place of residence. Holders of state teacher's certificates and persons presenting diplomas or certificates from recognized universities and colleges in good standing or from accredited high schools, normal schools, and academies, are admitted without examination.

Applicants for admission present themselves to the registrar, who furnishes them with application blanks and directions for proceeding with their examinations, if any, payment of fees, and registration.

By recent enactment of the Legislature of Nebraska, no person can be admitted to the bar, after July 1, 1904, without "a preliminary education, other than legal, equivalent to that involved in the completion of the first three years of a high school course accredited by the state department of public instruction." The requirements for admission to the College of Law are somewhat higher. The candidate for admission to the first year class in the College of Law must present entrance "credits" for high school work equal to 28 "points," or a total of 140 recitation hours. A "credit point"

means the work in a high-school subject of five recitations a week, of not less than 40 minutes each, during a period of at least 18 weeks. Conditional admission is permitted on a minimum of 20 credit points or 100 recitation hours. A student admitted conditionally must remove the conditions at the earliest possible opportunity. The degree will not be granted him until he removes all conditions. Persons unable to meet the entrance requirements may be admitted as special students, not candidates for the degree. Upon fulfilling the entrance requirements, such special students are registered as regular students, candidates for degrees.

The requirements for entrance on certificate, or examination, or partly on certificate and partly on examination, are given below. The time element indicated with each subject is essential.

REQUIRED SUBJECTS—10 POINTS

Algebra (to simultaneous quadratics), 1 year, 5 hours a week.....	2
Geometry (plane), 1 year, 5 hours a week.....	2
History (American or European), 1 year, 5 hours a week	2
English (composition and literature), 2 years, 5 hours a week.....	4

In addition to the above required subjects applicants must present evidence of preparation for work equal to 18 credit points to be chosen from the following optional list:

OPTIONAL SUBJECTS—18 POINTS

Algebra (simultaneous quadratics through logarithms), $\frac{1}{2}$ year, 5 hours a week	1
Bookkeeping, $\frac{1}{2}$ year, 5 hours a week.....	1
English, 1 year, 5 hours a week.....	2
French, 2 or 3 years, 5 hours a week.....	4 or 6
Geometry (solid), $\frac{1}{2}$ year, 5 hours a week.....	1
German, 2 or 3 years, 5 hours a week	4 or 6
Greek, 2 or 3 years, 5 hours a week	4 or 6
History, 2 years, 5 hours a week.....	4

Latin, 4 years, 5 hours a week	8	
Natural science (botany, zoology), 1 year, 5 hours a week.....	2	
Physical science (chemistry, physics), 1 year, 5 hours a week.....	2	
Trigonometry (plane), $\frac{1}{2}$ year, 5 hours a week.....	1	
Astronomy	} $\frac{1}{2}$ year, 5 hours a week, not more than 3 points accepted, each.....	1
Civics		
Geology		
Physical Geography		
Physiology and hygiene		
Political economy		

Note.—In preparing for entrance to the College of Law, students are urged to take as much Latin, history, and English as possible, since these subjects are found to be of especial value.

In no case will a candidate be admitted to the College of Law whose written composition is deficient in grammar, spelling, punctuation, and paragraphing.

REGISTRATION

Students are required to register promptly at the beginning of each semester. To promote prompt registration a registration fee of \$3 is charged a student who, without good reason, fails to register during the first six days of the semester. A like fee is charged for re-registration if made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration.

Students may not attend classes for which they are not registered, and credit is not given for studies pursued without registration. No student is permitted to change from this College to another without written permission to the registrar signed by the deans of the colleges concerned. A student changing from this College to another must pay the regular matriculation fee of \$5 for entering that college.

Any change in a student's residence must be reported immediately to the registrar.

Leave of absence for a brief period is granted a student by the dean of the College. This leave is merely a justification for the absence and is not an excuse from any work.

When a student in good and honorable standing finds it necessary to withdraw from the University before the close of the semester, the registrar will grant him permission to do so. Students in good standing, who are not minors, are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

The dean of the College is the student's adviser. He has consultation hours when students may call seeking advice and encouragement in their work.

ADVANCED STANDING

Applicants possessing the required preliminary education are admitted to advanced standing as follows: A credit hour is given for a subject carried one hour a week for a semester. Thus, **CONTRACTS AND AGENCY** count seven credits; **TORTS**, four credits, etc.

TO THE SECOND-YEAR CLASS

1. Any person at least nineteen years of age, who has attended for one year another law school having an approved course equivalent to the first-year course in this College, and who presents certificates of work thus accomplished equal to at least twenty credits.

2. Any person who has received the bachelor's degree from one of the general colleges of the University and has completed work in the College of Law, including work in the department of Jurisprudence and Public Law counted in the College of Law, equal to at least seventeen credits.

3. Any person who has studied law in the office of a practicing attorney for at least one year; and has there pursued studies in the course prescribed in this college amounting to at least twenty-two credits; and has passed satisfactory examinations at the time of entrance in studies amounting to at least twenty credits.

TO THE THIRD-YEAR CLASS

1. Any person at least twenty years of age, who has attended for two years an approved law school, and who presents certificates of work there done equal to at least forty-four credits.

2. Any person who has studied law in the office of a practicing attorney for at least one year and has attended an approved law school for an additional year; who presents certificates of work there done; and who passes satisfactory examinations in other studies so as to obtain a total of at least forty-four credits.

The degree is not conferred on persons who have not attended approved law schools at least two years, including, at least, a full attendance for the last year at this College.

Students from law offices who apply for advanced standing are charged an examination fee of \$10.

It is strongly recommended that students pursue a full three-year course of study in a law school. The great superiority of the modern law school over the law office as a place for study is no longer open to question. Experience has shown that the preparation of those who study in law offices is, in the great majority of cases, very imperfect, both as to the work accomplished and the methods employed.

Reading the text upon any subject is in no instance the equivalent of the work done in that subject in this College.

SPECIAL STUDENTS

Persons of suitable preliminary training, not candidates for the degree, may be admitted at any time without examination upon payment of the required fees. They must first make application to the registrar as in the case of regular students. Persons preparing for the state bar examination and business men not intending to practice law as a profession are admitted as such special students. In all cases, diligence, industry, punctuality and proficiency are required of special students as of candidates for the degree. Students are not permitted to abuse this privilege of special registration by making it a means of securing merely nominal membership in the University, whether for social or athletic purposes or for any other reason.

COMBINED SIX-YEAR COLLEGIATE AND LAW COURSE

Fourth-year students in the College of Literature, Science and the Arts or in the Industrial College may elect courses in the department of Jurisprudence and Public Law which count towards the degree of Bachelor of Laws, and not to exceed ten hours a week each semester of the first-year studies in the College of Law. These subjects count towards the degree of Bachelor of Arts or of Bachelor of Science. By this arrangement, a student is enabled to complete a combined course of study in six years and receive the two degrees. The student expecting to take this combined course of six years must declare his intention before taking his first degree and must pay the regular fees of the College of Law.

FEES AND EXPENSES

The schedule of fees in the College of Law is as follows.
All fees are payable in advance at the secretary's office:

Matriculation fee	\$ 5
Library fee, each semester.....	1
Diploma fee.....	5

Tuition fees:

Annual tuition, payable \$25 for the first semester and \$20 for the second semester.....	45
For one semester only	25
Special students, or one topic, each semester.....	12

Examination fees:

Examination fee for advanced standing.....	10
Examination fee for all who require special examination.....	2

Tuition fees are in no case returnable. No tuition fee is received for a less period than one semester. Students may complete unfinished work of any former year if the tuition fees for the former year have been paid in full; otherwise they must pay the remainder of the former year's tuition in addition to the fees for the current year. In all cases, receipts for former matriculation and tuition fees must be exhibited in the adjustment of the year's tuition. No extra fees are charged to students from other states. No student may enroll in classes or take any private examination until his fees are paid.

The cost of table board to students in Lincoln ranges from \$2.50 to \$3.50 a week. The average price is \$3. The cost of lodging ranges from \$2.50 to \$10 a month, the usual cost being from \$4 to \$5. The usual cost of combined room and lodging is about \$17 a month.

To secure employment by which he may defray at least part of his expenses, a student in a city the size of Lincoln has many opportunities. The authorities of the College do

not, however, undertake to find employment for students. The registrar's office, in connection with the Young Men's Christian Association of the University, maintains an employment bureau.

REQUIREMENTS FOR GRADUATION

The degree of Bachelor of Laws is conferred upon regular students who have completed the required courses of study to the satisfaction of the faculty of the College of Law and of the Board of Regents of the University. Students whose time and means do not permit them to complete the course receive certificates of proficiency according to the merit of their work.

ADMISSION TO THE BAR

Under the statutes of Nebraska, admission to the bar is to be had in the Supreme Court only, and is governed by rules established by that court. The statutes now provide as follows: "After July 1, 1904, no person shall be admitted to the bar unless such person is at least twenty-one years of age and of good moral character, and unless such person either (1) has had a preliminary education, other than legal, equivalent to that involved in the completion of the first three years of a high school course accredited by the State Department of Public Instruction, and has regularly and attentively studied law in a reputable law school or in the office of a practicing attorney, or partly in such school and partly in such office, for a period of at least three years, at least one year of which office study shall have been passed in a law office in this state, and shall pass a satisfactory examination upon the principles of the common law, equity, and the statutes and practice of this

state; or (2) is a regular graduate of the College of Law of the University of Nebraska. Provision shall be made by rule of court for the registration of students in law offices in this state at the beginning of their respective terms of study in the office of the clerk of the Supreme Court or the office of the clerk of the District Court of the county in which any such law office is located."

Graduates of the College of Law of this University are admitted on motion without examination other than that sustained prior to graduation.

COURSE OF INSTRUCTION

The course of instruction in the College of Law extends through three years of thirty-six weeks each exclusive of vacations. The design of the course is two-fold: (1) To afford the training in the fundamental principles of the common law essential to the practice of the profession in any jurisdiction where that system obtains. (2) To acquaint the student with the special subjects of immediate or local importance in Nebraska and neighboring states and instruct him thoroughly in the peculiarities of substantive law and procedure in those jurisdictions, so as to enable him to enter upon the practice understandingly at once, without any further term of practical instruction in an office. In addition, bearing in mind the extent to which the legislative and executive departments are recruited from the bar, and the part which the profession must take in legislation of all kinds, as well as in the progress and reform of the law, it is designed to stimulate an intelligent and enduring interest in the history and science of law, in order to make not merely practitioners, but lawyers in the fullest sense. The following program of study is made with these ends in view.

FIRST YEAR

FIRST SEMESTER

History and System of the Common Law—A general survey of the legal system of English-speaking countries; courts, their organization and jurisdiction; legal authorities and their use. Two hours attendance. Two hours credit.

PROFESSOR POUND.

Contracts—Huffcut and Woodruff's *Cases on Contracts*; Lawson (or Anson) on *Contracts*. Three hours attendance. Three hours credit.

PROFESSOR ROBBINS.

Torts—Paige's *Cases on Torts*; Cooley on *Torts*. Two hours attendance. Two hours credit.

PROFESSOR WILSON.

Property I—Kirchwey's *Readings on the Law of Real Property*; Gray's *Cases on Property*, vols. 1 and 2. Five hours attendance. Five hours credit.

PROFESSOR POUND.

SECOND SEMESTER

Contracts (CONCLUDED)—Nine weeks. Four hours attendance. Two hours credit.

PROFESSOR ROBBINS.

Agency—Huffcut's *Cases on Agency*; Huffcut on *Agency*. Nine weeks. Four hours attendance. Two hours credit.

PROFESSOR ROBBINS.

Torts (CONCLUDED)—Two hours attendance. Two hours credit.

PROFESSOR WILSON.

Domestic Relations—Woodruff's *Cases on Domestic Relations*. One hour attendance. One hour credit.

PROFESSOR COOK.

Equity I—Keener's *Cases on Equity Jurisdiction*, vol. 1. Two hours attendance. Two hours credit.

PROFESSOR COOK.

Criminal Law and Procedure—Beale's *Cases on Criminal Law*. Two hours attendance. Two hours credit.

PROFESSOR POUND.

Civil Procedure I—Inferior courts. One hour attendance. One hour credit.

PROFESSOR POUND, MR. LEDWITH.

SECOND YEAR

FIRST SEMESTER

Common-Law Pleading—Stephen (or Perry) on *Pleading*. Cases. Ten weeks. Three hours attendance. Two hours credit.

PROFESSOR ROBBINS.

Equity Pleading—Lubð on *Equity Pleading*. Forms. Eight weeks. Three hours attendance. One hour credit.

PROFESSOR ROBBINS.

Equity II—Ames's *Cases on Trusts*. Three hours attendance. Three hours credit.

PROFESSOR COOK.

Quasi-Contracts—Keener's *Cases on Quasi-Contracts*. Two hours attendance. Two hours credit.

PROFESSOR COOK

Sales—Burdick's *Cases on Sales*; Burdick on *Sales*. One hour attendance. One hour credit.

PROFESSOR ROBBINS

Damages—Beale's *Cases on Damages*. Nine weeks. Two hours attendance. One hour credit.

PROFESSOR WILSON.

Suretyship and Guaranty—Nine weeks. Two hours attendance. One hour credit.

PROFESSOR WILSON.

(**Damages and Suretyship and Guaranty** will alternate with **Bailments and Carriers**.)

Civil Procedure II—Superior and appellate courts. One hour attendance. One hour credit.

PROFESSOR POUND, MR. LEDWITH.

Electives—Two hours required.

SECOND SEMESTER

Code Pleading—Phillips on *Code Pleading*. Cases; practical exercises. Two hours attendance. Two hours credit.

PROFESSOR ROBBINS.

Equity III—Keener's *Cases on Equity Jurisdiction*, vols. 2 and 3. Three hours attendance. Three hours credit.

PROFESSOR COOK.

Bills, Notes, and Checks—Bigelow's *Cases on Bills, Notes, and Cheques*; Bigelow on *Bills, Notes, and Cheques*. Two hours attendance. Two hours credit.

PROFESSOR ROBBINS.

Property II—Gray's *Cases on Property*, vols. 3 and 5; Kirchwey's *Cases on Mortgages*. Four hours attendance. Four hours credit.

Civil Procedure II (CONCLUDED)—One hour attendance. One hour credit. PROFESSOR POUND.

Electives—Two hours required. PROFESSOR POUND, MR. LEDWITH.

THIRD YEAR

FIRST SEMESTER

Constitutional Law—Thayer's *Cases on Constitutional Law*, vol. I. Three hours attendance. Three hours credit.

PROFESSOR COOK.

Partnership—Burdick's *Cases on Partnership*; Burdick on *Partnership*. Two hours attendance. Two hours credit.

PROFESSOR ROBBINS.

[**Bailments and Carriers**—Van Zile on *Bailments*. Cases. This course will alternate with **Damages** and **Suretyship and Guaranty**. Two hours attendance. Two hours credit.

Not given in 1904-1905.

PROFESSOR WILSON.]

Insurance—One hour attendance. One hour credit.

PROFESSOR WILSON.

Wills and Administration—Gray's *Cases on Property*, vol. 4. Three hours attendance. Three hours credit.

PROFESSOR COOK.

Civil Procedure III—Jurisdiction and Procedure of Federal Courts. One hour attendance. One hour credit.

PROFESSOR POUND.

Electives—Two hours required.

SECOND SEMESTER

Constitutional Law (CONCLUDED)—Thayer's *Cases on Constitutional Law*, vol. 2. Three hours attendance. Three hours credit

PROFESSOR COOK.

Private Corporations—Keener's *Cases on Private Corporations*. Three hours attendance. Three hours credit. PROFESSOR COOK.

Property III—Gray's *Cases on Property*, vol. 6. Two hours attendance. Two hours credit. PROFESSOR POUND.

Evidence—Thayer's *Cases on Evidence*; Greenleaf on *Evidence*. Three hours attendance. Three hours credit. PROFESSOR WILSON.

Civil Procedure III (CONCLUDED)—One hour attendance. One hour credit. PROFESSOR POUND.

Electives—Two hours required.

ELECTIVES

OPEN TO ALL STUDENTS

Analytical and Comparative Jurisprudence (JURISPRUDENCE 1)—First semester. Three hours attendance. Three hours credit. PROFESSOR POUND.

Historical Jurisprudence (JURISPRUDENCE 2)—Ancient Law; the development of some of the principal legal institutions and doctrines. Second semester. Three hours attendance. Three hours credit. PROFESSOR POUND.

Roman Law (JURISPRUDENCE 3)—History and Institutes. First semester. Two hours attendance. Two hours credit. PROFESSOR POUND.

History of English Law (JURISPRUDENCE 8)—History of English Law to the middle of the eighteenth century. Second semester. Three hours attendance. Three hours credit. PROFESSOR POUND.

This course is given in alternate years. Not given in 1905-1906.

Administrative Law (PUBLIC LAW 3)—I. Law of Officers. Nine weeks. II. Extraordinary Legal Remedies. Nine weeks. First semester. Two hours attendance. Two hours credit. PROFESSOR COOK.

Administrative Law (PUBLIC LAW 4)—III. Municipal Corporations. Nine weeks. IV. Taxation. Nine weeks. Second semester. Two hours attendance. Two hours credit. PROFESSOR COOK.

The several parts of these courses in Administrative Law may be elected separately and counted for one hour credit for the semester. The courses are given in alternate years. Not given in 1905-1906.

International Law (PUBLIC LAW 5)—*Scott's Cases on International Law*. First semester. Three hours attendance. Three hours credit. PROFESSOR POUND.

Comparative Constitutional and Administrative Law (PUBLIC LAW 7 and 8)—First and second semesters. Two hours attendance. Two hours credit. PROFESSOR COOK.

[**Comparative Constitutional and Administrative Law** (ADVANCED COURSE—PUBLIC LAW 9 and 10)—First and second semesters. Two hours attendance. Two hours credit. PROFESSOR COOK.]
Not given in 1904-1905.

OPEN TO SECOND-YEAR AND THIRD-YEAR STUDENTS ONLY

Bankruptcy—Second semester. One hour attendance. One hour credit. PROFESSOR WILSON.

Conflict of Laws—Second semester. Two hours attendance. Two hours credit. PROFESSOR COOK.

OPEN TO THIRD-YEAR STUDENTS ONLY

Law of Mining—First semester. One hour attendance. One hour credit. PROFESSOR POUND.

Law of Irrigation—Second semester. One hour attendance. One hour credit. PROFESSOR POUND.

Conveyancing—Seminary in conveyancing. Practical exercises in conveyancing, examining abstracts of title, and drafting papers, under the personal supervision of the instructor. First and second semesters. One hour attendance. No credit.

PROFESSOR POUND, MR. LEDWITH.

PRACTICE AND PRACTICE COURTS

In addition to the courses in procedure, in which instruction is given in the principles and general rules of practice in state and federal courts, practice courts are maintained in order to afford the student an opportunity of acquainting himself with the various steps in an orderly litigation, and of learning by actual experience to determine what proceedings to bring, how to bring them, and how to conduct causes to a final determination. The work in these courts is required. Statements of the testimony of witnesses are prepared and assigned to the members of the class, from which the student determines the form of action, sues out and returns process, prepares pleadings, and takes all steps required to bring the cause to trial. Personal instruction is given also in trial procedure, preparation of instructions, verdicts, and journal entries, making motions for new trial or in arrest of judgment, settlement of bills of exceptions, supersedeas, and procedure on error or on appeal. Each student is required during the second year to assist in the trial of one case in an inferior court, and to take it by appeal or error to the district court. In the third year each student is required to take part in at least two causes, one at law and one in equity, in the district court, and on error or appeal in the supreme court.

LIBRARIES

Students in the College of Law have access to the following libraries, aggregating 134,000 volumes, in addition to the College of Law library which contains the standard reference and textbooks and the principal American and English law reports:

The University Library of 63,000 volumes, including the standard authorities and works of reference on international law, Roman law, jurisprudence and public law.

The State Library of 46,000 volumes at the Capitol. It is one of the best law libraries in the West, containing substantially complete sets of the law reports and statutes of all English-speaking jurisdictions.

The Lincoln City Library of 16,000 volumes.

The Nebraska State Historical Society Library of 9,000 volumes and 19,000 pamphlets.

PRIZES

EXCELLENCE IN FIRST-YEAR STUDIES

For the three members of the first-year class who attain the highest rank in the studies of the first semester, a member of the Nebraska Bar offers prizes—books to be selected by the dean of the College. In 1903-1904 the prizes respectively were: Pollock and Maitland's *History of English Law*, Sohm's *Institutes of Roman Law*, and Digby's *History of the Law of Real Property*. They were awarded to Theodore Thomas Johnson, Charles David Ritchie, George Lantz.

For the member of the first-year class whose scholarship in the second semester displays the most marked improvement over that in the first semester, and who attains a grade of "E" in all his second-semester studies, a member of the Nebraska Bar offers a prize—a book or books to be selected by the dean of the College. In 1903-1904 the prize was Lord Campbell's *Lives of the Chief Justices*.

EDWARD THOMPSON COMPANY PRIZE

For the best thesis by a member of the third-year class

the Edward Thompson Company of Northport, New York, offers *The American and English Encyclopædia of Law* or *The Encyclopædia of Pleading and Practice*. The thesis, which must be submitted to the dean not later than the second Monday in May, must contain not less than 2,000 or more than 4,000 words, must be satisfactory to the examining committee as to matter and style, and must be printed or typewritten on paper of uniform size and quality. In 1903 this prize was awarded to Ralph Chase Roper.

WILLIAM JENNINGS BRYAN PRIZE

For the best essay on the science of government is offered annually the income of \$250, the gift of Hon. William Jennings Bryan. This prize was not awarded in 1903-1904.

THE CHANCELLOR'S PRIZE

For the three representatives of the University in one of the annual intercollegiate debates if they win, Chancellor Elisha Benjamin Andrews offers a prize of \$30, to be awarded in equal parts. In 1903-1904 this prize was awarded to Emory Roy Buckner, 1904; Louis Clark Lightner, Law 1904; Charles Abbott Sawyer, 1905.

THE UNIVERSITY PRIZE

For the three representatives of the University in the other annual intercollegiate debate if they win, a prize of \$30 is offered, to be awarded in equal parts. In 1903-04 this prize was awarded to George Albert Lee, 1903, Law 1905; Burdette Gibson Lewis, 1904; and Joseph Carl McReynolds, Law 1904.

THE NATIONAL SOCIETY SONS OF THE AMERICAN REVOLUTION MEDAL

For the best essay of not more than 2,000 words on "The Principles Fought for in the American Revolution" the National Society of the Sons of the American Revolution offers a silver medal. This prize was not awarded in 1902-1903.

COURTS

The College of Law occupies rooms in University Hall within a few blocks of the law offices and courts. The Supreme Court, the District Court (in three divisions), the County Court and various minor courts are almost constantly in session during the school year. The Circuit and District Courts of the United States also hold two sessions in Lincoln during the year. Exceptional facilities are thus afforded the student to hear the arguments of able counsel and to become acquainted with the workings of the courts.

LEGISLATURE

The student has the opportunity each alternate year of attending the sessions of the Nebraska Legislature, where he may observe the process and forms of legislation.

GENERAL COLLEGE PRIVILEGES

A student in the College of Law may, without paying additional fees, register for not more than five hours of work in the College of Literature, Science and the Arts or in the Industrial College. Credit in the general colleges is not applied toward the degrees of those colleges, however, unless the matriculation and other fees of those colleges are regularly paid. Students taking advantage of this rule may

not change their registration in the general colleges or drop any of the subjects registered for therein without paying the re-registration fee of \$3.

Subjects peculiarly suitable to law students are constitutional, political, and diplomatic history, comparative government, theory of the state, American history, political economy, sociology, ethics, English language, and public speaking.

LITERARY SOCIETIES

The Maxwell Club is a literary organization, the membership and work of which are entirely under the control of the students of the College of Law. All students in the College are members of this club.

Law students are also admitted to the other literary societies and debating clubs in the University.

GYMNASIUM

The gymnasium is open to students of the College of Law. It is in charge of experts in physical training, who advise each student as to the character and amount of physical exercise adapted to his case.

THE
COLLEGE OF MEDICINE

THE FACULTY OF THE COLLEGE OF MEDICINE

ELISHA BENJAMIN ANDREWS, LL.D.

Chancellor and President of the University Senate

University Hall 102

HENRY BALDWIN WARD, PH.D.

Dean of the College of Medicine and Professor of Zoology

Nebraska Hall 204

HAROLD GIFFORD, B.S., M.D.

Associate Dean of the College of Medicine and Professor of

Ophthalmology and Otology

405 Karch Block, Omaha

RICHARD CHANNING MOORE, M.D.

Professor of Diseases of the Mind

312 McCague Building, Omaha

DONALD MACRAE, M.D.

Professor of Railroad and Clinical Surgery

252 Merriam Block, Council Bluffs, Ia.

WELLINGTON SMITH GIBBS, M.D.

Professor of Principles and Practice of Medicine and

Clinical Medicine

202 Brown Block, Omaha

EWING BROWN, M.D.

Professor of Didactic and Clinical Gynecology

1026 Park Avenue, Omaha

WILLIAM FORSYTH MILROY, M.D.

Professor of Clinical Medicine and Physical Diagnosis

312 McCague Building, Omaha

WILLSON ORTON BRIDGES, M.D.

Professor of the Principles and Practice of Medicine and

Clinical Medicine

302 Bee Building, Omaha

THE UNIVERSITY OF NEBRASKA

WILLIAM HENRY CHRISTIE, M.D.

Professor of Materia Medica and Therapeutics

48 Barker Block, Omaha

AUGUST FREDERICK JONAS, M.D.

Professor of the Practice of Surgery and Clinical Surgery

18 Continental Block, Omaha

HARRY MONROE McCLANAHAN, A.M., M.D.

Professor of Pediatrics

1312 North 40th Street, Omaha

OSCAR SAMUEL HOFFMAN, M.D.

Professor of Clinical Medicine

324 Bee Building, Omaha

BYRON BENNETT DAVIS, A.B., M.D.

Professor of the Principles of Surgery and Clinical Surgery,

202 Bee Building, Omaha

FRANK STYLES OWEN, M.D.

Professor of Laryngology and Rhinology

209 Karch Block, Omaha

*HAMILTON BERNARD LOWRY, M.D., PH. D.

Professor of Diseases of the Nervous System

Lincoln

DONALD MACRAE, JR., M.D.

Professor of Clinical Surgery

252 Merriam Block, Council Bluffs, Iowa

VERNON LAWRENCE TREYNOR, M.D.

Professor of Clinical Medicine

Baldwin Block, Council Bluffs, Iowa

ARTHUR CHARLES STOKES, M.D.

Professor of Chemistry and Instructor in

Genito-Urinary Surgery

213 McCague Building, Omaha

ANDREW BARTHOLOMEW SOMERS, M.D.

Professor of Obstetrics

23 Continental Block, Omaha

OLON RODNEY TOWNE, M.D.

Professor of Hygiene and State Medicine

22 Continental Block, Omaha

JOSEPH MELANCTHON AIKIN, M.D.

Clinical Professor of Nervous Diseases

401 Brown Block, Omaha

HANS PETER JENSEN, M.D.

Professor of Electro-Therapeutics

2804 Harney Street, Omaha

RAYMOND GUSTAVUS CLAPP, M.D.

Professor of Physical Education

Memorial Hall

FRANCIS ALBERT BROGAN, A.B., LL. B.

Professor of Medical Jurisprudence

412 New York Life Building, Omaha

HENRY HUDSON NICHOLSON, A.M.

Professor of Chemistry and Director of the Chemical Laboratories

Chemical Laboratory

CHARLES EDWIN BESSEY, PH.D., LL.D.,

Professor of Botany

Nebraska Hall 110

ROBERT HENRY WOLCOTT, A.M., M.D.

Associate Professor of Zoology and Demonstrator in Anatomy,

in Charge of the Anatomical Laboratory

Mechanic Arts Hall 300

WILLIAM HULL RAMSEY, M.D.

Assistant Professor of Anatomy

224 Bee Building, Omaha

THE UNIVERSITY OF NEBRASKA

HERBERT HAROLD WAITE, A.M., M.D.

Assistant Professor of Bacteriology and Pathology

University Hall A

BENTON DALES, Ph.D.

Assistant Professor of Chemistry

Chemical Laboratory

GEORGE HAMLIN BICKNELL, M.D.

Adjunct Professor of Ophthalmology and Otology

405 Karch Block, Omaha

FREDERICK DeFOREST HEALD, Ph.D.

Adjunct Professor of Plant Physiology

Nebraska Hall 102

PAUL HAGANS LUDINGTON, A.B., M.D.

Adjunct Professor of the Principles of Surgery

224 Bee Building, Omaha

ELMER JAMES UPDEGRAFF, M.D.

Adjunct Professor of the Practice of Surgery

19 Continental Block, Omaha

BENJAMIN FRANKLIN PARK, M.D.

Adjunct Professor of Obstetrics

600 Paxton Block, Omaha

ANNE BARR-CLAPP

Adjunct Professor of Physical Education and Director of
the Women's Gymnasium

Memorial Hall

WILLIAM ALBERT WILLARD, A.M.

Adjunct Professor of Zoology

Nebraska Hall 207

RALPH STAYNER LILLIE, Ph.D.

Adjunct Professor of Physiology

Nebraska Hall

AARON WELCH EDMISTON, M.D.

Instructor in Bandaging and Surgical Dressings

3 Creighton Block, Omaha

ALFRED OLAF PETERSON, A.M., M.D.

Instructor in Internal Medicine

16th and Howard streets, Omaha

AVINGTON ADAM EDGINGTON, M.D.

Instructor in Anatomy and Associate Demonstrator

Omaha

RUFUS ASHLEY LYMAN, A.M., M.D.

Instructor in Physiology and Histology, in Charge

1105 Pacific Street, Omaha

GEORGE BROWN DANDY, M.D.

Instructor in Anatomy

Omaha

MARY LOUISE FOSSLER, A.M.

Instructor in Chemistry

Chemical Laboratory

PAUL KOERBER, M.D.

Instructor in Materia Medica and Therapeutics

Yutan

BURTON WHITFORD CHRISTIE, B.Sc., M.D.

Instructor in Pediatrics

48 Barker Block, Omaha

THOMAS TRUELSEN, M.D.

Instructor in Physical Diagnosis

600 Paxton Block, Omaha

WILLIAM VERNON GAGE, M.D.

Instructor in Dermatology

208 Bee Building, Omaha

JAMES SAMUEL GOETZ, M.D.

Instructor in Internal Medicine

324 Bee Building, Omaha

THE UNIVERSITY OF NEBRASKA

CHARLES WHITNEY POLLARD, A.B., M.D.

Instructor in Obstetrics

409 Paxton Block, Omaha

FRANKLIN DAVIS BARKER, A.M.

Instructor in Zoology

Nebraska Hall 204

GEORGE MOGRIDGE, M.D.

Lecturer in Arrested Development

Glenwood, Iowa

AUGUSTUS DAVIS CLOYD, M.D.

Lecturer in Life Insurance Examinations

Woodmen Building, Omaha

ALFRED ONIAS HUNT, D.D.S.

Lecturer in Dental Surgery

12th and Pacific streets, Omaha

HIRAM WINNETT ORR, M.D.

Lecturer in History of Medicine

1238 O Street, Lincoln

LEE BRADLEY VAN CAMP, M.D.

Demonstrator of Anatomy

301 Paxton Block, Omaha

WILLIAM PENALUNA WHERRY, M.D.

Clinical Assistant in Laryngology and Rhinology

Omaha

CHARLES CAMPBELL MORISON, A.B., M.D.

Clinical Assistant in Surgery

Omaha

CHARLES WILLIAM McCORKLE POYNTER, M.D.

Quiz Master in Human Anatomy

1222 O Street, Lincoln

DAVID CLARK HILTON, A.M., M.D.

Assistant Demonstrator of Anatomy

Farmers and Merchants Building, Lincoln

DISPENSARY STAFF

INTERNAL MEDICINE

DOCTOR GIBBS DOCTOR MILROY
ASSISTANTS: DOCTOR TRUELSON DOCTOR WEYMULLER

SURGERY

DOCTOR JONAS DOCTOR DAVIS
ASSISTANTS: DOCTOR MORISON DOCTOR DANDY

EYE AND EAR

DOCTOR GIFFORD DOCTOR BICKNELL
ASSISTANT: DOCTOR LEMERE

NOSE AND THROAT

DOCTOR OWEN
ASSISTANTS: DOCTOR LEMERE DOCTOR WHERRY

PEDIATRICS

DOCTOR McCLANAHAN
ASSISTANT: DOCTOR B. W. CHRISTIE

OBSTETRICS

DOCTOR SOMERS
ASSISTANTS: DOCTOR PARK DOCTOR POLLARD DOCTOR ARTHUR

GYNECOLOGY

DOCTOR BROWN
ASSISTANTS: DOCTOR PARK DOCTOR VAN FLEET

NERVOUS DISEASES

DOCTOR LOWRY DOCTOR AIKIN

DERMATOLOGY

DOCTOR GAGE

GENITO-URINARY SURGERY

DOCTOR STOKES

SECRETARY OF THE CLINIC

DOCTOR LUDINGTON

HOSPITAL APPOINTMENTS

OMAHA HOSPITAL ROBERT CARPENTER PANTER, M. D.
IMMANUEL HOSPITAL JAY C. DECKER, M. D.
DOUGLAS COUNTY HOSPITAL FRED WILLIAM KARRER, M. D.

THE COLLEGE OF MEDICINE

ORGANIZATION

By an agreement entered into in May, 1902, the Omaha Medical College became the College of Medicine of the University of Nebraska. The College thus incorporated into the University was founded in 1880 and has experienced strong and steady growth.

As an integral part of the University the College has been able to reorganize its work along the most advanced lines. The requirements for entrance have been placed on a level with those of the best medical colleges, thus preparing the student properly for the improved advantages at his disposal.

The work of the first two years is carried on at Lincoln, where the University places at the disposal of the student, in the first years of his study of medicine, advantages such as but comparatively few medical schools in the country offer. The University's laboratories, directed by men of thorough training and large experience, who devote their entire time to instruction and supervision, are well equipped with modern appliances.

The work of the last two years is done exclusively at the College in Omaha, the 200,000 population of which city and the adjoining communities affords unusual clinical facilities. These facilities the College is constantly strengthening.

ADMISSION

The College of Medicine offers courses leading to the degree of Doctor of Medicine. A student may pursue a combined collegiate and medical course, receiving at the end of four years the bachelor's degree, and at the end of six years the degree of Doctor of Medicine.

Candidates are admitted by examination or on certificate from accredited high schools, academies, or colleges. Women are admitted on the same terms as men. The requirements for admission are stated below.

Although properly prepared students who cannot enter at the beginning of the year may be admitted later, all students who can possibly do so are urged to be present at the beginning of the year. Students entering late are at much disadvantage and cannot expect to finish the course within the minimum limit except by taking work in the Summer Session.

Applicants for admission present themselves to the registrar, who furnishes them with application blanks and directions for proceeding with their examinations, if any, with fee payments and registration.

An applicant presenting a certificate from an accredited school, academy, or high school is, without examination, admitted to any classes for which he is fully prepared. Any candidate for admission bringing credentials from a high school, college, or university not included in the list of schools accredited to this University must, upon making application, present his credentials to the registrar and be prepared to take such examinations as are prescribed.

A student desiring to ascertain whether or not he can be admitted to the freshman class without examination, should apply to the registrar for blank credential slips. When these are properly filled out and returned, he will be informed at once whether his credentials are or are not acceptable.

REQUIREMENTS FOR ADMISSION

For admission to the freshman class in the College of Medicine a candidate must present entrance "credits" equal to 26 "points" (see below) or a total of 130 recitation or credit hours. Conditional admission is permitted on the minimum of 20 credit points or 100 credit hours, but the student must remove all entrance requirements before he may be admitted to full sophomore standing.

A credit "point" presupposes the work of five recitations a week of not less than 40 minutes each during a period of at least 18 weeks. The requirements in detail are given below. The time element indicated with each subject is essential.

REQUIRED SUBJECTS—18 Points

Algebra (to simultaneous quadratics), 1 year, 5 hours a week.....	2
Geometry (Plane), 1 year, 5 hours a week.....	2
English Composition, 2 years, 5 hours a week.....	4
History (Greek and Roman or American), 1 year, 5 hours a week..	2
Language (2 points must be Latin), 2 years, 5 hours a week.....	4
Science (physics, together with chemistry, botany, or zoology), 2 years, 5 hours a week.....	4

OPTIONAL SUBJECTS—8 Points

In addition to these required subjects for which no substitutes are accepted, applicants must present evidence of

preparation in 8 points to be chosen from the following optional list:

English, 1 year, 5 hours a week.....	2
History, 3 years, 5 hours a week.....	6
Language, 3 years, 5 hours a week.....	6
Manual Training, 1 year, 5 hours a week.....	2
Mechanical Drawing, ½ year, 5 hours a week.....	1
Natural Science (botany, zoology), 1 year, 5 hours a week.....	2
Physical Science (chemistry, physics), 1 year, 5 hours a week.....	2
Trigonometry, ½ year, 5 hours a week.....	1
Astronomy	} ½ year, 5 hours a week, not more than 3 points accepted, each
Civics	
Geology	
Physical geography	
Physiology and hygiene	
Political economy	1

Requirements for admission to the six-year combined academic and medical courses are stated in the requirements for admission to the College of Literature, Science and the Arts, and the Industrial College of the University (see announcement for these colleges).

REGISTRATION

Students are required to register promptly at the beginning of each semester. A wider range of elective studies is offered at the beginning of the first semester than at the beginning of the second.

To promote prompt registration a registration fee of \$3 is charged a student who, without good reason, fails to register during the first six week days of the semester. A like fee is charged for re-registration if made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration.

No regular student is registered for less than twelve (12) hours nor for more than eighteen (18) hours a semester without the dean's permission.

A student taking the combined six-year course for the degree of Bachelor of Arts or Bachelor of Science and the degree of Doctor of Medicine must matriculate and register in the College of Medicine at the beginning of the third year's work of the combined course and must regularly thereafter register as a student in the College of Medicine. If he is to be a candidate for the bachelor's degree, he must at the same time continue to register either in the College of Literature, Science and the Arts, or in the Industrial College.

The courses in human anatomy, pathology, and medical zoology are open only to students registered in the College of Medicine. A junior or senior in the College of Literature, Science, and the Arts or in the Industrial College may take any of these courses by registering as a special student in the College of Medicine and paying the laboratory fees attached to the course or courses chosen and also a pro-rata tuition fee, provided, however, that the tuition charge for any course in the College of Medicine so taken by a student in either of the general colleges shall in no case be less than \$5 a semester. In anatomy the minimum charge is \$15 a semester.

When circumstances warrant and the accommodations are sufficient to allow it without detriment to the work of candidates for degrees, other special students are admitted.

Students cannot attend classes for which they are not

registered, and credit is not granted for studies pursued without registration.

No student is allowed to change from one college to another without written permission to the registrar signed by the dean of each college concerned. A student so changing college must also pay a new matriculation fee of \$5.

No student may change his group or drop any study for which he has been regularly registered without written permission from the dean of his college.

Any change in a student's residence must be immediately reported to the registrar.

A leave of absence for a short time may be granted a student by the dean of his college. This leave is merely a justification for absence and not an excuse from any work.

If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the registrar grants him permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

The dean of the college in which a student registers is that student's adviser. Each dean has a consultation hour in the deans' room, University Hall 104, where students may call seeking advice or encouragement in their work.

ADVANCED STANDING

Advanced standing may be granted as follows to applicants presenting proper credentials:

Graduates of recognized universities or colleges are given credit for any work in the medical branches which

they have successfully completed in the college course and which is the full equivalent of corresponding work in the medical curriculum. Such a student may receive the medical degree in not less than three years, provided he completes the remainder of the regular medical curriculum within that time.

Graduates of colleges of dentistry or pharmacy are accorded such standing as their credentials warrant.

Graduates of colleges of homeopathy or eclectic medicine requiring a four years' course are admitted to the senior year.

Students of other medical colleges in good standing are admitted to the class to which credentials issued by such colleges entitle them, only on presenting certificate of honorable dismissal.

In all these cases the applicant for advanced standing must offer admission credits equal to those required by this college.

REQUIREMENTS FOR GRADUATION

The requirements for the degree of Doctor of Medicine are as follows:

1. The candidate must be twenty-one years of age.
2. His moral character must be unquestioned.
3. He must have complied with all the requirements of admission and have paid all his fees.
4. He must have completed all required courses and have passed a satisfactory examination on all required subjects in the curriculum.

5. He must have pursued the study of medicine four years and received credit for at least four full courses of instruction in different years at medical schools in good standing, unless he be a college graduate granted time credits under the conditions specified above. The last course he must have taken in this institution.

6. He must have undergone a full and satisfactory written and oral examination at the termination of the course.

SUMMER SESSION

The Summer Session of the University affords opportunities to make up deficiencies in entrance requirements in certain lines of medical work.

COURSES AND METHODS OF INSTRUCTION

The course of study covers four years of nine months each. During the first two years those strictly scientific branches are pursued which form the basis for the technical studies of the last two years. In the laboratory independent work only is accepted. None of the courses are mere demonstrations. This objective method of instruction is followed not only in the laboratory study of the first two years but also in the clinical work of the last two, where constant use is made of the facts acquired from laboratory teaching in the fundamental branches.

The courses embrace also didactic and clinical lectures, in which effort is made by charts, models, experiments, demonstrations, and other appropriate means to broaden the mind of the student and to coordinate the facts acquired in the laboratory. Frequent quizzes and examinations test

progress in each line of work. It is the aim to keep each student informed at all times regarding his standing in every branch so that he can pass no subject without thoroughly mastering it.

The size of the classes permits personal instruction in every topic, each student standing continually close to his instructors. This fact is of the utmost importance in the last two years of the course. The small number of students and the sectional method of clinical instruction which is thereby rendered possible, bring the individual student into intimate contact with his clinical instructors, afford him an opportunity to study each case thoroughly and at short range, and allow him to secure a large amount of bedside instruction.

If a student finds it necessary to leave the University, he may obtain a certificate for his work in the medical course which will enable him to enter any other medical college belonging to the American Association of Medical Colleges.

EQUIPMENT

The work in Lincoln is given in the various laboratories of the University, which are well equipped with the necessary apparatus. A more detailed description of the facilities provided is found under the head of "Courses of Instruction" in connection with the different departments represented.

The college building in Omaha, completed in 1899, and situated at the corner of Twelfth and Pacific streets, embodies the best features of modern medical-school buildings. It is a brick and stone structure, having four stories above the basement, furnished with steam heat and electric lights.

On the first floor are the students' lobby and the free dispensary. The latter comprises a waiting room for patients, a drug room, and numerous clinic rooms for the systematic examination and treatment of patients.

On the second floor are the amphitheater with a seating capacity for 250, the library, the reading room, the X-ray room, and a commodious coat room.

On the third floor are the dissecting room, accommodating 100 students; the chemical laboratory, thirty by fifty feet; private rooms for the professors of anatomy, chemistry, and biology; and a smaller amphitheater with a stationary table to which gas and running water are supplied for practical demonstrations in chemistry.

The fourth floor is wholly given up to microscopic work. The laboratories occupy a space one hundred by thirty-five feet, with light on every side. Stationary tables for the preparation and mounting of specimens occupy the center of the room. These tables are supplied with gas and running water and are made as convenient as possible to conserve the student's time. In front of each window is a table furnished with gas attachments and Bunsen burners. In this room are lockers so that each student has a safe place for his working outfit.

The histological and pathological laboratories are commodious and provided with abundant light. The arrangement is such that the class may, at a moment's notice, be assembled from the laboratory desks to recitation benches at one end of the room, where demonstrations may be made from gross specimens by the use of series of blackboards or by means of projection apparatus.

By these arrangements it is possible so to individualize the laboratory work that whenever a student finds a spare hour he can resort to the laboratory and utilize it profitably.

With the transfer of the entire work of the first two years to Lincoln, much additional space has been set free for the expansion of the advanced instruction.

CLINICAL FACILITIES

For practical teaching in all departments of medicine and surgery, this College has unusual clinical facilities. Its students have access to eight hospitals, in four of which they have exclusive clinical privileges.

THE COLLEGE DISPENSARY

The College Dispensary, on the first floor of the college building, is designed for the gratuitous treatment of all worthy charitable cases that may apply. The space assigned includes a large reception room and adjoining consultation rooms for the separate examination and treatment of cases in surgery, medicine, gynecology, pediatrics, eye, ear, nose, and throat. A pharmacy department, in charge of a trained pharmacist, is also maintained in connection with the dispensary. Members of the clinical faculty and their assistants are in daily attendance from twelve to two o'clock. Students in the Junior and Senior classes are divided in rotation among the different departments, whereby they are put in close touch with the histories, examinations, diagnoses, and treatment of cases. The material available is ample to demonstrate the usual diseases and accidents met with in practice. Very unusual ones are often seen. Selected cases are

specially demonstrated and enlarged upon before the entire class. Advanced students are often sent out from the clinic to see urgent cases at their homes and to make reports thereon to the professor in charge. Those students who have not had experience in dispensing drugs are assigned in rotation to the pharmacy where they are instructed in writing and reading prescriptions and in compounding and dispensing drugs.

THE OMAHA HOSPITAL

In the Omaha Hospital, which received over 1200 patients last year, this College has exclusive clinical privileges. A new, commodious, fire-proof building, planned by one of the best architects in the country and embodying the most modern details of construction and arrangement, is now being erected. It will contain an operating pavilion and amphitheater seating about 100 and furnished with the best appliances known. At this hospital weekly clinics are held throughout the session for the advanced class in surgery, orthopedics, internal medicine, ophthalmology, and otology. From the graduating class an interne is selected for a year's service.

THE IMMANUEL HOSPITAL

In the Immanuel Hospital also students of this College have exclusive clinical privileges. This hospital is well arranged and thoroughly equipped for the application of scientific methods in the treatment of disease. It contains an operating amphitheater, accommodating about eighty students, with the seats so arranged that each student has an unobstructed view of the operator or instructor. Weekly

clinics are held in internal medicine and surgery. Occasionally there are clinics in laryngology and rhinology. From the graduating class a resident physician is appointed, soon after commencement, to serve one year.

DOUGLAS COUNTY HOSPITAL

The Douglas County Hospital, costing \$200,000 and accommodating 300 patients, includes a maternity pavilion and an insane department. This institution is, in reality, the charity hospital of Omaha and the surrounding country. Since cases illustrative of all diseases, acute and chronic, occurring in this section of the country, are found here, the students of this College have exceptional opportunities for direct bedside instruction in all departments. Regular clinics are held weekly in medicine, genito-urinary diseases, dermatology, gynecology, mental diseases, and obstetrics. Two resident physicians, one of whom is from this College, are appointed each spring for one year.

WISE MEMORIAL HOSPITAL

At the Wise Memorial Hospital, opened to the public two years ago, a regular weekly clinic throughout the session is held in internal medicine. Special clinics frequently afford instruction in surgery, laryngology, and rhinology.

CHILD-SAVING INSTITUTE

In the Child-Saving Institute also this College has exclusive clinical privileges. The Institute has outgrown its former quarters and now occupies a building especially constructed for its use. Its accommodations for twenty-five

babies are constantly taxed. The opportunities for the study of the dressing, care, and feeding of infants, and the diagnosis, progress, and treatment of the different gastrointestinal diseases are here unexcelled in the Middle West. Occasional outbreaks of infectious diseases in the constantly changing inmates afford unusual illustration of the subjects taught in the course on pediatrics.

W. C. A. HOSPITAL, COUNCIL BLUFFS

The W. C. A. Hospital at Council Bluffs is in professional charge of members of the faculty of this College. For surgical work its equipment is thorough, including a fine operating room. Frequent clinics are held in general medicine and in surgery, including railway and emergency surgery.

BANCROFT STREET RESCUE HOME

The Bancroft Street Rescue Home—a lying-in hospital—is under the personal direction of a member of the faculty of this College. During 1903 there were here thirty-five confinement cases, attended by students of the College. In a number of operations, including the application of the forceps and the repair of the perineum, students assisted.

OMAHA RESCUE HOME

In the Omaha Rescue Home also this College has exclusive clinical facilities. During the last year there were here forty cases of obstetrics, most of which were attended, under the direction of the professor in charge, by members of the senior class. The sanitary arrangements of this Home render the best possible application of scientific asepsis.

THE VISITING NURSES' ASSOCIATION

The search, by the Visiting Nurses' Association, for deserving, unattended sick, furnishes the members of the faculty of obstetrics many cases of confinement. These are assigned to members of the senior class.

HOSPITAL APPOINTMENTS

From the graduating class of the College of Medicine one interne is chosen each year for the Omaha Hospital and one for the Immanuel Hospital. The position of resident physician in the Douglas County Hospital is also open to graduates of the College. Several graduates of the College each year secure positions in other hospitals in Nebraska and other states. The faculty receives frequent inquiries from superintendents of hospitals who desire recent graduates suitable for such positions. In this way a large percentage of graduates obtain the inestimable advantages of hospital training before entering upon private practice.

LIBRARIES

IN OMAHA

The College Library contains about 1,000 volumes including an up-to-date collection of text-books covering the entire range of medical science. While this collection is not designed to obviate the necessity of students having their own text-books, it enables them to investigate subjects in which they are specially interested more fully than they otherwise could. Periodical literature is also on file.

The Omaha Public Library contains 60,000 volumes, in-

cluding a very good medical library, the use of which is free to students in the College.

IN LINCOLN

The following libraries, aggregating 134,000 volumes, are accessible to students in Lincoln:

The University Library of 63,000 volumes is strong in those scientific lines where lies the first two years' work of the student of medicine. It includes special departmental libraries in botany, chemistry, hygiene, physiology, and zoology.

The Lincoln City Library of 16,000 volumes includes the library of the Nebraska State Medical Society. It also has an alcove devoted exclusively to medical literature.

The State Library of 46,000 volumes at the Capitol includes valuable medical works in certain lines.

The Nebraska State Historical Society Library of 9,000 volumes and 19,000 pamphlets, contains very useful series of public documents such as reports of state boards of health, and of state hospital and other institutions.

PRIZES

The following prizes are offered for 1904-1905:

1. To the member of the graduating class receiving the highest total of marks in the final examinations, a general surgical operating case.

2. To the student who prepares the best dried anatomical preparation, a pocket instrument case. All preparations offered in competition for this prize become the property of the college museum in Omaha, and are labeled with the name of the maker. This prize is not awarded unless the

specimens offered possess sufficient merit as determined by a committee consisting of the professors of anatomy and of the principles and practice of surgery. Previous successful competitors excluded.

3. To the member of the senior class most proficient in ophthalmology, Professor Gifford offers as a prize a Loring's ophthalmoscope.

4. To the student presenting the best notes on the history of medicine, Dr. Orr offers as a prize, medical books to the value of \$10.

SOCIETIES

The Alumni Association of the College of Medicine maintains an active and efficient organization, of advantage to both the graduates and the University. The annual meeting is held in Omaha on commencement day. Members of the association are earnestly requested to notify the registrar and the secretary of the association when they change their address.

The Medical Society of the University of Nebraska, at Lincoln, aims to increase professional spirit and to keep its members in touch with recent progress. Any student in the University at Lincoln looking forward to medicine is eligible to membership. Topics of general interest are taken up at the weekly meetings. Prominent men address the society monthly on topics of special interest. Besides promoting fellowship among students of medicine it also aims to offer some social advantages in other directions.

An undergraduate medical society has been formed in Omaha with similar objects. It meets bi-weekly for the discussion of medical topics.

FEES AND EXPENSES

All fees and charges are payable in advance to the secretary of the University in Lincoln or at the office of the associate dean at the College in Omaha. No part of fees can be refunded to students who leave during the session, but in case the student takes up the same work again no additional charge is made for the part omitted.

The schedule of fees in the College of Medicine is as follows:

Matriculation fee.....	\$5
Diploma fee.....	5
No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.	
Special certificate of standing	\$5

FIRST-YEAR AND SECOND-YEAR FEES

Tuition, first semester	\$20
Tuition, second semester.....	15

LABORATORY FEES

Anatomy 1, 2, 3, 4.....	\$15
Bacteriology.....	8
Pharmaceutical botany 33, 34.....	2
Chemistry A., B., 3, 4, 33, 34.....	5
Histology and Embryology (Zoology 9, 10).....	5
Pathology.....	8
Physiology 1, 2, 3, 4.....	2
Zoology 1, 2, general and medical.....	2

JUNIOR YEAR—OMAHA

Fees for all required exercises, including all laboratory and clinic fees	\$80
Breakage deposit.....	10
Examination fee.....	10

SENIOR YEAR—OMAHA

Fees for all required exercises, including laboratory and clinic fees. .	\$80
Breakage deposit.....	10
Examination fee.....	10

Breakage in the laboratory and damage to the college property are charged to the individual or class responsible. In case the damage can not be located, it is charged to the class pro rata.

All fees are payable strictly in advance when the session opens. A student is not entitled to appear for any one of his final examinations until all his fees are paid.

A graduate of any recognized medical college who desires to attend the Omaha department of the University College of Medicine may do so by paying a fee of \$10.

In Omaha board and lodging costs from \$3 to \$5 a week. By means of clubs students materially reduce this expense. The Young Men's Christian Association issues to students in the College of Medicine special season tickets admitting, at a very small cost, to the privileges of the association's building—baths, gymnasium, parlors, lectures, concerts.

In Lincoln board and lodging may be secured in private families for from \$3 to \$5 a week. There are also numerous student clubs. The Young Men's Christian Association and the Young Women's Christian Association of the University keep lists of boarding places. The Young Men's Christian Association of the University also maintains an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray their expenses, at least in part. The University cannot, however, guarantee employment.

GENERAL COLLEGE PRIVILEGES

Students in the College of Medicine have the privileges of other students in the University. The gymnasium is in charge of experts in physical training, who advise each student as to the character and amount of physical exercise adapted to his case. For engaging in athletics there is abundant opportunity. Military drill is also offered.

SIX-YEAR COMBINED COLLEGIATE AND MEDICAL COURSE

The entrance requirements are those of the College of Literature, Science and the Arts, or of the Industrial College, given in the announcement for those colleges.

Whenever possible, the student is advised to take this combined course, which leads to the bachelor's degree at the conclusion of four years, and to that of Doctor of Medicine at the end of six years. The work in Lincoln is known as that of the pre-medical group, which was adopted by the Board of Regents, April, 1902, on recommendation of the faculty of the University. The work of the group lays a broad foundation for the technical work of the last two years and gives the student not only the best possible training but also the advantage of possessing the bachelor's degree.

If one wishes to complete both courses within six years, it is not possible to deviate materially from the program outlined below:

FIRST YEAR

	CREDIT HOURS
Chemistry 1, 2.....	2
Physics 1, 2.	
Modern Language (German).....	5
Zoology 1, 2.....	3
Rhetoric 1, 2.....	2
Osteology (second semester).....	2
Military Drill.....	1

SECOND YEAR

Botany 1, 2.....	3
Chemistry 3, 4.....	3
Zoology 5, 8.....	4
Modern Language.....	5
Military Drill.....	1
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THIRD YEAR

Pharmaceutical Botany.....	2
Physiology.....	2
Physics 3, 4.....	2
Zoology 9, 10.....	3
Psychology.....	3
Human Anatomy.....	4
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FOURTH YEAR

Human Anatomy.....	4
Bacteriology and Pathology.....	4
Physiological Chemistry.....	3
Hygiene, Physical Diagnosis.....	2
Advanced Physiology.....	2
History of Medicine.....	1
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FIFTH YEAR

Bacteriology and Pathology.....	1
Therapeutics.....	2
Surgical Anatomy.....	1
Physical Diagnosis.....	1
Medicine.....	4
Surgery.....	4
Obstetrics.....	2
Bandaging and Dressing.....	1
Prescription-Writing, Electro-Therapeutics.....	1
Materia Medica and Pharmacology.....	3
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SIXTH YEAR

Medicine.....	4
Surgery.....	4
Obstetrics.....	2
Gynecology.....	1
Eye and Ear.....	1
Nose and Throat.....	1
Nervous Diseases.....	1
Pediatrics.....	1
Dermatology.....	1
Genito-Urinary Surgery....	1
Railway Surgery, Dental Surgery.....	1
Medical Jurisprudence, Life Insurance.....	1

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NOTE.—In addition there are section clinics running all the year.

FOUR-YEAR MEDICAL COURSE

The course embraces four years of graded instruction, eight to nine months each, outlined in the following synopsis. To this course all students must conform. The year is divided into two semesters, approximately eighteen weeks each.

Examinations are held at the end of each year in all the work covered. Students failing in any of the final examinations of the year must pass such examinations either at the opening of the ensuing session or during the Christmas vacation following. Students failing in more than one-third of the work must take the entire work again.

FRESHMEN YEAR

	CREDIT HOURS
Anatomy.....	4
Chemistry.....	2
General Physiology.....	2
Histology, Embryology.....	3
Pharmaceutical Botany.....	2
General and Medical Zoology.....	3
History of Medicine.....	1

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SOPHOMORE YEAR

Anatomy.....	4
Chemistry, Organic and Physiological.....	5
Special Physiology	2
Bacteriology and Pathology	2
Hygiene and Physical Diagnosis.....	2

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JUNIOR YEAR

Bacteriology and Pathology.....	1
Therapeutics.....	2
Surgical Anatomy	1
Physical Diagnosis.....	1
Medicine.....	4
Surgery.....	4
Obstetrics.....	2
Bandaging and Dressing	1
Prescription Writing, Electro-Therapeutics	1
Materia Medica and Pharmacology .	3

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SENIOR YEAR

Medicine.....	4
Surgery.....	4
Obstetrics.....	2
Gynecology.....	1
Eye and Ear.....	1
Nose and Throat.....	1
Nervous Diseases.....	1
Pediatrics.....	1
Dermatology	1
Genito-Urinary Surgery.....	1
Railway Surgery, Dental Surgery.....	1
Medical Jurisprudence, Life Insurance.....	1

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NOTE.—In addition there are section clinics running all the year.

COURSES OF INSTRUCTION

ANATOMY

ASSOCIATE PROFESSOR WOLCOTT, DOCTOR POYNTER, DOCTOR HILTON; IN OMAHA—DOCTOR RAMSEY, DOCTOR EDGINGTON, DOCTOR DANDY

The object of this department is to present the subject of human anatomy in the most modern, strictly scientific form. During the first two years of his course the student is expected to spend eight hours weekly in the laboratory. Individual quizzes upon the subject; weekly sectional quizzes, with or without the subject; a thorough demonstration by each individual student at the close of each dissection of a part and occasional review quizzes to test the student's ability to retain the knowledge gained, are required. The lectures supplement the laboratory work, and in them are discussed such facts drawn from comparative vertebrate anatomy, from the study of human variations and anomalies, and from embryology, as will enable the student to understand the structure of the human body and to correlate details learned by laboratory dissection, thus giving a clear conception of the body as a whole. As a final test of his grasp of the subject the careful formal presentation of some circumscribed topic is required of each student before credit is given for the work.

To assist the student in his work, charts, models, anatomical preparations, and carefully selected works of reference are close at hand where he can readily consult them.

COURSES

1. **General and Practical Anatomy**—Introductory principles of anatomy and general descriptive anatomy. Laboratory work; osteology; preliminary dissection on the dog; dissection of human subject; dissection of genital organs. Three hours. Eight hours laboratory. Four hours credit. First semester, freshman year.

ASSOCIATE PROFESSOR WOLCOTT, DOCTOR POYNTER, DOCTOR HILTON.

- 2 **General and Practical Anatomy**—1 continued. Second semester.

3. **Regional and Practical Anatomy**—Laboratory work in neurology; dissection of the organs of special sense; serial sections of human body; special assigned topics. Three hours. Eight hours laboratory. Four hours credit. First semester, sophomore year.

ASSOCIATE PROFESSOR WOLCOTT, DOCTOR POYNTER, DOCTOR HILTON.

4. **Regional and Practical Anatomy**—3 continued. Second semester.

5. **Surgical Anatomy**—Lecture course. One hour credit. First semester, junior year. DOCTOR RAMSEY.

6. **Surgical Anatomy**—5 continued. Second semester.
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BACTERIOLOGY AND PATHOLOGY

ASSISTANT PROFESSOR WAITE

BACTERIOLOGY

The object of this course is to build a firm foundation for the subsequent practical work in bacteriology. The study of form, structure, multiplication, requirements of growth, and chemical products is followed by applying the facts acquired to fermentation and putrefaction. In the latter half of the course pathogenic organisms are dealt with exclusively. The various ways in which bacteria gain entrance to the body, the changes which they bring about, and their final removal from the body are thoroughly explained. Attenuation and immunity are carefully discussed. Each of the bacterial diseases is then considered from the point of view of etiology. In the laboratory the preparation of culture media is first taken up. This is followed by a study of their growth on the various media. By these means both non-pathogenic and pathogenic organisms are isolated and identified. A thorough grounding in disinfection and sterilization is required by practical application of the principles discussed in lecture. Animals are inoculated in the presence of the class, which is required to isolate the organisms from the tissues of the animal and grow them in pure culture. Special attention is given to the practical bearing of methods of bacteriological diagnosis.

1. **Bacteriology**—Four hours lecture and quizzes. Eight hours laboratory. First semester, freshman year.

ASSISTANT PROFESSOR WAITE.

PATHOLOGY

The subject of general pathology is thoroughly reviewed. The origin of disease, disturbances of circulation, retrograde changes, inflammation, tumors, etc., are carefully studied. In conclusion, the diseases of special organs are taken up according to their relative importance. In the laboratory about one hundred and fifty specimens are given out. These the student is required to identify and, with the aid of the instructor, work out departures from the normal. From the facts thus acquired a diagnosis is made. Descriptions of all sections and drawings of all typical specimens are required to familiarize the student with recording changes seen and for training in accuracy of observation.

COURSES

2. **Pathology**—Four hours lecture and quizzes. Eight hours laboratory. Second semester, sophomore year.

ASSISTANT PROFESSOR WAITE.

3. **Pathology**—2 continued. Lecture, demonstration, and quizzes covering the subjects of special bacteriology and pathology, and post-mortem techniques. Two hours lecture and quizzes. First semester, junior year.

ASSISTANT PROFESSOR WAITE.

4. **Pathology**—3 continued. Second semester.

5. **Practical Clinical Pathology**—The class is divided into sections of three, and each section is required, in rotation, to assume charge of all pathological specimens, sputum, urine and blood, secured from cases studied in clinics at the dispensary and the different hospitals; to examine the same in the pathological laboratory, under the supervision of the instructors in charge; and to make reports thereon before the class to the professor holding the clinic. Senior year.

PHARMACEUTICAL BOTANY AND PHARMACOLOGY

PROFESSOR BESSEY, ADJUNCT PROFESSOR HEALD

1. **Pharmaceutical Botany**—A single course on the structural characteristics of the principal drugs derived from plants, their preparation, and physiological effects. Two lectures and textbook exercises, and four hours of laboratory work.

PROFESSOR BESSEY, ADJUNCT PROFESSOR HEALD

2. **Pharmaceutical Botany**—1 continued. Second semester.

CHEMISTRY

PROFESSOR NICHOLSON, ASSISTANT PROFESSOR DALES,
MISS FOSSLER

A general survey of chemistry, both inorganic and organic, including the nature of chemical processes and the use of apparatus.

Instruction by the lecture-laboratory method.

Advanced students having the necessary experience and knowledge do research work under guidance.

COURSES

1. **Metallic or Base-Forming Elements**—The occurrence, methods of preparation, and properties of the common elements and their chief compounds. Two hours attendance. Four hours laboratory. Two hours credit. First semester. PROFESSOR NICHOLSON.
 2. **Metallic or Base-Forming Elements**—1 continued. Second semester.
 3. **Elementary Organic Chemistry**—The important classes of organic substances. Preparation, in the laboratory, of typical compounds. Two hours attendance. Six hours laboratory. Two hours credit. First semester. MISS FOSSLER.
 4. **Elementary Organic Chemistry**—3 continued. Second semester.
 33. **Physiological Chemistry**—The organic compounds. The chemical processes of physiological importance. Two hours attendance. Four hours laboratory. Two hours credit. First semester. MISS FOSSLER.
 34. **Physiological Chemistry**—33 continued. Second semester.
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HISTORY OF MEDICINE

DOCTOR ORR

1. **History of Medicine and Medical Literature**—A combined lecture and study course which considers the men who have contributed to medical knowledge from the earliest times to the present. One hour lecture. One hour credit. First semester. DOCTOR ORR.
2. **History of Medicine and Medical Literature**—1 continued. This course traces the development of medicine in its different branches

simply as an abstract department of knowledge. Constant reading and note-taking are required and an acquaintance with library methods and with the literature is necessarily obtained. One hour lecture. One hour credit. Second semester.

DOCTOR ORR.

HYGIENE AND PHYSICAL DIAGNOSIS

PROFESSOR TOWNE, PROFESSOR CLAPP

1. **Hygiene**—The history of the subject in brief. Advantages of regular exercise. Bathing and clothing. Care of the eye. Respiration and circulation. Digestion; source, value, and digestibility of foods. Stimulants and narcotics. Ventilation, heating, draining, and plumbing. Special physiology and personal purity. Two hours attendance. Two hours credit. First semester.

PROFESSOR CLAPP.

2. **Physical Diagnosis**—The thorax and thoracic organs alone are considered. The normal signs, as given by inspection, palpation, percussion, and auscultation, are first studied from the normal individual, thus preparing the student for the recognition of the various abnormal conditions. Two hours lecture. One hour demonstration. Two hours credit. Second semester.

PROFESSOR CLAPP.

SANITATION AND STATE MEDICINE

3. **Sanitation and State Medicine**—Relation of the medical profession to public health. Theoretical consideration of the subject. Results of practical experience. Quarantine regulations of Nebraska. Air, water, climate, soil, heating, ventilation. Municipal and private water supply. Milk and food, sewage and the disposal of waste. Public and private management of transmissible diseases. Epidemics, contagion, and disinfection. Two hours lecture. First semester, junior year.

PROFESSOR TOWNE.

4. **Sanitation and State Medicine**—3 continued. Second semester.

MATERIA MEDICA AND THERAPEUTICS

PROFESSOR CHRISTIE, PROFESSOR JENSEN, DOCTOR KOERBER

MATERIA MEDICA AND PHARMACOLOGY

1. **Materia Medica and Pharmacology** — A systematic outline and detailed study of the various drugs used in the treatment of diseases and their physical and chemical properties; their physiological action; indications of their use, dosage, and the different preparations. The laboratory work is on the methods of handling drugs, prescription-writing, preparing combinations, and the direct effect of drugs on the circulation, kidneys, eye, and gastrointestinal canal. Three hours lecture and recitation. One hour laboratory. First semester.

PROFESSOR CHRISTIE, DOCTOR KOERBER.

2. **Materia Medica and Pharmacology** — 1 continued. Second semester.

3. **Advanced Materia Medica and Pharmacology**—This is in part a continuation of courses 1 and 2. The various drugs used in the treatment of disease are classified according to their application, their action is described, and their therapeutic value dwelt upon. Two hours lecture. First semester.

PROFESSOR CHRISTIE.

4. **Advanced Materia Medica and Pharmacology** — 3 continued. Second semester.

5. **Prescription-Writing**—Practical instruction in writing prescriptions. For supposed cases the student writes prescriptions which the instructor criticises and corrects. One hour lecture. First semester.

DOCTOR KOERBER

THERAPEUTICS

7. **Therapeutics**—First semester, junior year.

One hour lecture.

PROFESSOR CHRISTIE.

One hour quiz.

DOCTOR KOERBER.

8. **Therapeutics**—7 continued. Second semester, junior year.

One hour lecture.

PROFESSOR CHRISTIE.

One hour quiz.

DOCTOR KOERBER.

9. **Therapeutics** A systematic consideration of the use of drugs in their special application to diseased conditions, and a thorough outline of their selection according to indications.

Special attention to the uses of hydro-therapy, vibration treatment, massage, and their mode of application. The class is divided into sections, thereby affording the students opportunity to observe, in the hospital and the dispensary, the practical application of the different means of treatment and their effects, including the use of baths, packs, poultices, blisters, massage, and the use of anæsthetics. First semester.

Two hours lecture.

PROFESSOR CHRISTIE.

One hour quiz.

DOCTOR KOERBER.

10. **Therapeutics**—9 continued. Second semester.

12. **Electro-Therapeutics**—The physics of electricity, the different varieties of currents and their indications, and method of application in the treatment of diseases. A few of the lectures are devoted to X-ray apparatus, and demonstrations of its application, and also to the technique of fluoroscopic examinations and radiography. The College possesses a fine X-ray outfit which is used in demonstrations. One hour lecture. Second semester.

PROFESSOR JENSEN.

PHYSIOLOGY

ADJUNCT PROFESSOR LILLIE; IN OMAHA—DOCTOR LYMAN

1. **Introduction to General and Chemical Physiology**—Special physiology of blood, nerve, muscle, circulation, respiration, digestion, secretion, excretion, nutrition and metabolism. Two hours lecture. Three hours laboratory. Two hours credit. First semester.

ADJUNCT PROFESSOR LILLIE.

2. **Introduction to General and Chemical Physiology**—1 continued. Second semester.

3. **Advanced Physiology**—General and comparative physiology. Application of physical chemistry to problems of physiology. Physiology of the central nervous system and sense organs, special and comparative. Two hours lecture. Four hours laboratory. Two hours credit. First semester, sophomore year.

ADJUNCT PROFESSOR LILLIE.

Advanced Physiology—3 continued. Second semester.

ZOOLOGY

PROFESSOR WARD, ADJUNCT PROFESSOR WILLARD, MR. BARKER

The laboratory has Zeiss and Leitz microscopes, Reinholt-Giltay, Minot and Thomas microtomes, Lillie and Naples paraffin baths, and all necessary subsidiary apparatus. The departmental library adjacent and freely accessible contains 2,000 works on animal morphology and physiology. A series of specimens from the Naples Zoological Station—one of injected tissues by Thiersch and embryological models by Ziegler and Dahlgren—are among the illustrative material.

GENERAL AND MEDICAL ZOOLOGY

1. **Introduction to Animal Biology and Medical Zoology**—Fundamental properties of protoplasm. Structure and activities of the cell. Its division. Maturation and fertilization of reproductive cells. Their development and differentiation into germ layers, tissues, organs, and animals. Study of animals of special interest in clinical work as hæmatozoa and helminthes. Two hours lecture and quiz. Four hours laboratory. Three hours credit. First semester.
PROFESSOR WARD, MR. BARKER.

2. **Introduction to Animal Biology and Medical Zoology**—1 continued. Second semester.

HISTOLOGY AND EMBRYOLOGY

9. **Normal Histology**—Microscopic structure of tissues and organs, illustrated by drawings, models and demonstrations with lantern and projection microscope. One hour lecture and quiz. Six hours laboratory. Three hours credit. First semester.
ADJUNCT PROFESSOR WILLARD.
10. **Vertebrate Embryology**—Survey of general embryology. Review of the development of man. Laboratory work on the frog, chick, and pig. Methods of graphic and plastic reconstruction. One hour lecture and quiz. Six hours laboratory. Three hours credit. Second semester.
ADJUNCT PROFESSOR WILLARD.

CLINICAL INSTRUCTION

With cases in all departments of medicine and surgery the student is brought face to face. The 200,000 population of Omaha, South

Omaha, and Council Bluffs, with their manufacturing industries, furnish the hospitals a great variety of cases in all branches of medicine and surgery. For instruction in accident and railway surgery there are unusual opportunities.

SECTION CLINICS

At the beginning of each year the senior class is divided into sections of three students each. Some of these attend section clinics daily at the various hospitals, each professor inviting the sections in regular rotation. These section clinics, both medical and surgical, afford extensive facilities for the most effective kind of clinical teaching—individual instruction. In physical diagnosis the student has ample practice, being required to make examinations and to reach a logical diagnosis. The instructor explains each case as fully as possible and then outlines the treatment. By this section-clinic method of instruction the student gets much more positive information than he can in the large general clinics.

CLINICAL DEPARTMENTS

DERMATOLOGY

DOCTOR GAGE

One lecture a week is given throughout the session. Finely executed plates, recently collected in Europe, representing the various diseases of the skin, illustrate the lectures, thus enabling the student to become familiar with the appearance of the skin presenting the characteristic lesions of cutaneous disease. A weekly clinic in the College Dispensary furnishes the student ample opportunity to familiarize himself with the differential diagnosis of many skin diseases, to study the progress of the cases, and note the effect of treatment. Demonstrations are made before the class of the influence of the X-ray applications in lesions adapted to the treatment.

COURSES

1. **Dermatology**—One hour. One hour clinic. First semester, senior year.
DOCTOR GAGE.
2. **Dermatology**—1 continued. Second semester.

GENITO-URINARY DISEASES

DOCTOR STOKES

A systematic course, including the use of the cystoscope and endoscope, is given on the diseases affecting the genito-urinary organs. In the dispensary clinic the practical application of these instruments, the use of sounds, and local treatment of the mucuous membrane of the urethra and bladder are studied. Section clinics at the Douglas County Hospital offer opportunities for the study of venereal diseases, including syphilis in all stages. Operations upon the perineum, testicle, prostate and bladder are performed with the assistance of members of the sections.

COURSES

1. **Genito-Urinary Diseases**—One hour lecture. One hour clinic.
First semester, senior year. DOCTOR STOKES.
2. **Genito-Urinary Diseases**—1 continued. Second semester.

GYNECOLOGY

PROFESSOR BROWN, DOCTOR PARK, DOCTOR VAN FLEET

The courses comprise a thorough study of this subject, including all the malpositions of the uterus, the inflammations of this organ and of the tubes and ovaries, and their mechanical effects; the various tumors invading these parts; and the causative relation of abnormal puerperal conditions to these affections. A two-hour weekly clinic in the College Dispensary or the Douglas County Hospital furnishes an abundance of cases illustrative of the more common diseases of women, with which the practitioner should be thoroughly familiar. Especial care is taken to guide the student in making personal examination of patients, reaching diagnoses, and observing methods of treatment. Cases requiring operation are sent to the hospital, where sections of the class observe and frequently assist in operations.

COURSES

1. **Gynecology**—One hour lecture. Two hours clinic. First semester, senior year.
PROFESSOR BROWN, DOCTOR PARK, DOCTOR VAN FLEET.
2. **Gynecology**—1 continued. Second semester.

INTERNAL MEDICINE

PROFESSOR GIBBS, PROFESSOR BRIDGES, PROFESSOR MILROY, PROFESSOR HOFFMAN, PROFESSOR TREYNOR, PROFESSOR WARD,
DOCTOR PETERSON, DOCTOR GOETZ

CLINICAL ASSISTANTS:

DOCTOR TRUELSON, DOCTOR WEYMUELLER

1. **Physical Diagnosis**—An exposition of the general principles of the subject, together with demonstrations of the topography of the head, chest, and abdomen. The student is taught the physical signs in health by means of direct personal examination, and the lectures treat of normal conditions. Two hours lecture and recitation. First semester, junior year. DOCTOR TRUELSON.
2. **Physical Diagnosis**—1 continued. The physical signs formed in disease, and their clinical demonstration on cases taken from the dispensary and hospital wards. Having familiarized himself with the interpretation of normal signs during the first semester, the student is thus more capable of appreciating abnormal signs resulting from disease.
PROFESSOR MILROY, DOCTOR TRUELSON.
3. **Internal Medicine**—This course considers the general diseases, including infections and diseases of the stomach and intestines, lungs, and kidneys. Subjects including all diseases pertaining to internal medicine are assigned systematically, and regular recitations are held thereon, thus giving the student a more thorough theoretical knowledge of the etiology, pathology, symptomatology, diagnosis, and treatment of disease, than did the older method of didactic lecturing. In the clinic in the College building, the cases are selected from the out-door dispensary, and usually represent the seasonal diseases of ambulatory type. First semester, junior year.
(a) Two hours lecture. PROFESSORS GIBBS AND BRIDGES. (b) Four hours recitation. PROFESSORS GIBBS AND BRIDGES, DOCTORS PETERSON AND GOETZ. (c) Two hours clinic. PROFESSORS GIBBS AND MILROY. One hour clinic, Douglas County Hospital or Immanuel Hospital. PROFESSOR MILROY.
4. **Internal Medicine**—3 continued. Second semester, junior year.
5. **Internal Medicine**—This includes subjects not lectured on in the junior year, and the work covered, in part, by recitation in

that year. Especial consideration is given to the elucidation of cases seen in the hospital clinics, and to cases in private practice, illustrative of the subjects under consideration. One hour weekly in conference. Members of the senior class are in rotation assigned cases for examination and study in the dispensary clinic or at one of the numerous hospitals, and are required to make full reports thereon before the class and the professor in charge. A full discussion and report of the case follow when the subjects of etiology, pathology, symptoms, and diagnosis are thoroughly covered. Two clinics are held each week in the college building, where cases are selected from the large amount of material furnished by the dispensary. Two hours weekly are spent at the Douglas County Hospital or the Immanuel Hospital and one hour each at the Omaha and Wise Memorial Hospitals. In this work careful direction is given to the elaboration of clinical histories and to the physical examination of the chest and abdomen. Sputum, urine, and blood of patients under their observation are examined by sections of the class in the college laboratory under the direction of the professor of pathology and make reports thereon. First semester, senior year. (a) Two hours lecture. One hour conference. PROFESSORS GIBBS AND BRIDGES. (b) Two hours clinics in the College. PROFESSORS GIBBS AND MILROY, DOCTORS TRJELSEN AND WEYMULLER. (c) Four hours hospital clinics. PROFESSORS MILROY, GIBBS, BRIDGES AND HOFFMAN.

6. Internal Medicine—5 continued. Second semester, senior year.

7. Special Clinics—To these clinics in the above-mentioned hospitals and also in the W. C. A. Hospital, Council Bluffs, sections of the senior class are invited in rotation. Especial attention is given to diseases of the heart, lungs, and kidneys. The small classes are enabled to make close study of cases. First semester, senior year. PROFESSORS BRIDGES, GIBBS, MILROY, HOFFMAN, AND TREYNOR.

8. Special Clinics—7 continued. Second semester, senior year.

9. Animal Parasites and Parasitic Diseases—Lectures on the structure, life history, and distribution of those animals which stand in especial relation to the etiology and transmission of disease. Laboratory exercises and demonstrations on the animal parasites of man, with the technique of helminthological diagnosis. One hour lecture. First semester, senior year. PROFESSOR WARD.

10. **Tropical Medicine**—Twelve lectures on the mode of propagation, methods of prevention, and treatment of the diseases met with in the tropics, including cholera, plague, dysentary, yellow fever, etc. Second semester, senior year. DOCTOR RENO, United States Army.
11. **Life Insurance Examinations**—The examination of applicants for life insurance; the relation of different diseases to the expectancy of life; the influence of heredity, occupation, habits, and the professional relation of the examiner to the company. First semester, senior year. DOCTOR CLOYD.

LARYNGOLOGY AND RHINOLOGY

PROFESSOR OWEN, DOCTOR LEMERE, DOCTOR WHERRY

1. **Laryngology and Rhinology**—This course affords special study of the anatomy and physiology of the upper respiratory tract, and the diseases of the nose, throat, and larynx, and their dependence upon and relation to the various constitutional infections and dyscrasiae. One hour lecture. First semester, senior year. PROFESSOR OWEN.
2. **Laryngology and Rhinology**—1 continued. Second semester, senior year.
3. **Principles and Use of the Laryngoscope and Rhinoscope**—The practical application of these instruments in a study of the normal appearances of the nose, throat, and larynx. For this work a dark room with artificial light is fitted up in the College Dispensary. One hour weekly. First semester, senior year. DOCTOR LEMERE, DOCTOR WHERRY.
4. **Clinic**—The dispensary clinic furnishes material for the study of all diseases of the nose, throat and larynx. Having familiarized themselves with the normal appearances and the use of the instruments during the first semester, students are now prepared for practical instruction in the pathology, diagnosis, and treatment of diseased organs. Section clinics and operations in the Wise Memorial and Immanuel Hospitals. One hour weekly. Second semester, senior year. PROFESSOR OWEN, DOCTORS LEMERE AND WHERRY.

MEDICAL JURISPRUDENCE

PROFESSOR BROGAN

1. **Medical Jurisprudence**—Physician's contracts, general medico-legal relations. Expert testimony. Malpractice. Life insurance exam-

inations. Injuries and deaths. Poison, identity, and survivorship. Sexual relations. Quarantine sanitation. Medical legislation. Twelve lectures. Second semester, senior year.

PROFESSOR BROGAN.

MENTAL AND NERVOUS DISEASES

PROFESSOR MOORE, PROFESSOR AIKIN, DOCTOR MOGRIDGE

1. **Mental Diseases**—A study of the different forms of insanity; their causes, symptoms, diagnosis, prognosis, and treatment. One hour lecture. First semester, senior year. PROFESSOR MOORE.

3. **Diseases of the Nervous System**—Lectures with demonstrations, on the special anatomy and physiology of the brain and spinal cord, followed by a presentation of the pathological conditions found in these organs, with the symptoms, differential diagnosis, and treatment thereof. The normal and pathological reflexes and the indications of the latter are discussed at length. At the clinic in the College or at the Douglas County Hospital, students study directly patients with nervous and mental diseases, the hospital furnishing an unusual variety in both lines. Differential diagnosis and the various non-restraint treatments of insanity cases are dwelt on. One hour lecture. One hour clinic. First semester, senior year. PROFESSOR AIKIN.

4. **Diseases of the Nervous System**—3 continued. Second semester, senior year.

6. **Arrested Development**—This course considers the causes, manifestations and diagnosis of arrested development. The class spends a day at the Glenwood, Iowa, Institution for the Feeble-Minded. One hour lecture. Second semester, senior year.

DOCTOR MOGRIDGE.

OBSTETRICS

PROFESSOR SOMERS, DOCTOR PARK, DOCTOR POLLARD,
DOCTOR ARTHUR

For practical work in obstetrics there is ample material. In 1903-04 there were about 200 maternity cases. Students who have passed their junior examinations and who remain in the city during the summer vacation, are assigned cases to attend under the direction of Professor Somers and Doctor Arthur.

1. **Anatomy and Physiology of the Female Pelvic Organs**—The development of the ovum, the hygiene and management of pregnancy, its signs, diagnosis, and pathology. The subject of the lectures is assigned for study and recitation. Two hours recitation. First semester, junior year. DOCTOR POLLARD.
2. **Anatomy and Physiology of the Female Pelvic Organs**—1 continued. Second semester, junior year.
3. **The Theory and Practice of Obstetrics as Applied to Normal Labor**—Lectures illustrated by charts, diagrams, and models. One hour lecture. First semester, junior year. DOCTOR PARK.
4. **The Theory and Practice of Obstetrics as Applied to Normal Labor**—3 continued. Second semester, junior year.
5. **Obstetrics**—The mechanism of labor, difficult labor, the pathology of the puerperal state, and the new-born child. Exercises on the manikin in diagnosing position and presentation, including a review of the mechanism of normal and abnormal labor. Two hours lecture. First semester, senior year. PROFESSOR SOMERS.
6. **Obstetric Surgery**—Includes the history and description of the forceps, the perforator, the cranioclast, the cephalotribe, and the indication for, and method of their use. A review of the work of the first semester will also be assigned to this hour. One hour lecture. Second semester, senior year. PROFESSOR SOMERS.
7. **Attendance on Obstetrical Cases**—The various lying-in hospitals, including the Douglas County Hospital with which this College has close affiliation, afford abundant opportunity for the assignment of obstetric cases to members of the senior class. Each student is required to attend three cases before receiving a certificate for graduation. During such attendance he is excused from the College exercises. Under the direction, and in the presence of the professor or one of his assistants, he is required to make examinations, both by abdominal and vaginal palpation, to suggest diagnosis, study the progress of labor, and, in case operative procedure is necessary, to witness and assist at such operation. The practical use of anæsthetics in labor is also taught each student. First semester, senior year.
PROFESSOR SOMERS, DOCTORS PARK AND ARTHUR.

OPHTHALMOLOGY AND OTOTOLOGY

PROFESSOR GIFFORD, ADJUNCT PROFESSOR BICKNELL,
DOCTOR LEMERE

COURSES

1. **Ophthalmology and Otology**—The external and internal diseases of the eye and ear, and their differential diagnosis, are systematically considered. The basis of refractive errors and the method of their correction receive due attention. One hour lecture. First semester, senior year. PROFESSOR GIFFORD.
2. **Ophthalmology and Otology**—1 continued. Second semester, senior year.
3. **The Anatomy and Physiology of the Eye and Ear, and Practical Instruction in the Use of the Ophthalmoscope and Otoscope**—Each student has opportunities to study, in the dark rooms at the College Dispensary, the appearances of the normal fundus of the eye and of the drum membrane of the ear. One hour weekly. First semester, senior year. ADJUNCT PROFESSOR BICKNELL.
4. **Clinic in Ophthalmology and Otology**—The large clinic at the Omaha Hospital furnishes abundant opportunity for the student to observe cases illustrative of the lectures on the eye and ear, and for the instructor thoroughly to impress on him these points in practical diagnosis. Frequent operations for strabismus, cataract, glaucoma, and defects of the lids, and also for otitis, mastoiditis, and trephining. Section clinics in the College Dispensary also furnish material in the more common affections of both eye and ear. First semester, senior year. Hospital clinic. Two hours weekly. PROFESSOR GIFFORD, ADJUNCT PROFESSOR BICKNELL. Sectional clinics, DOCTOR LEMERE.
5. **Clinics in Ophthalmology and Otology** — 4 continued. Second semester, senior year.

PEDIATRICS

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE

1. **Pediatrics**—This course considers all the gastro-intestinal diseases, the infections, the discrasiae, and the important part played by errors of diet in their production. Milk modification in all its

methods are described in detail, including the working out of percentages. The history and technique of intubation receives attention. Clinics at the College Dispensary, where many cases of the ordinary affections of infancy and childhood appear, afford practical application of the subject of the lectures. One hour lecture. One hour clinic. First semester, senior year.

PROFESSOR McCLANAHAN, DOCTOR CHRISTIE.

2. **Pediatrics**—1 continued. Second semester, senior year.
3. **Care of Children**—Instruction in the care, hygiene, and feeding of infants, cranial measurements, and physical development. One hour lecture. First semester, senior year. DOCTOR CHRISTIE
4. **Section Clinics in Pediatrics**—Clinics at the Child-Saving Institute, where it is frequently possible to demonstrate practically the contagions, measles, scarlet fever, whooping cough and others as they occur in epidemic form. First semester, senior year.
PROFESSOR McCLANAHAN, DOCTOR CHRISTIE.
5. **Section Clinics in Pediatrics**—4 continued. Second semester.

SURGERY

PROFESSOR JONAS, PROFESSOR DAVIS, PROFESSOR MACRAE, PROFESSOR MACRAE, JR., PROFESSOR STOKES, DOCTOR UPDEGRAFF, DOCTOR LUDINGTON, DOCTOR HUNT, DOCTOR EDMISTON, DOCTOR DANDY, DOCTOR MORISON.

1. **Principles of Surgery**—The principles of surgery with a full description of the classification of tumors, their pathology, differentiation, relation to general diseases, manifestations, and operative and non-operative methods of treatment. Subjects are assigned for recitation covering the lectures on the principles of surgery, surgical pathology and tumors, the practice of surgery, surgical diseases, fractures and dislocations. At the general clinic at the College Dispensary cases are presented for diagnosis, operation, and treatment. At this clinic a considerable number of minor surgical cases receive attention, minor operations often being performed. The clinic at the Douglas County or Immanuel Hospitals where operations are performed for all manner of surgical diseases, affords excellent opportunity for demonstrating the subjects of the lecture and recitation courses. The practical use of anæsthetics, both local and general, receive due consideration at

this clinic. First semester, junior year. (a) Two hours lecture. PROFESSOR DAVIS. (b) Four hours recitation. DOCTORS LUDINGTON AND UPDEGRAFF. (c) Two hours dispensary clinic. One hour hospital clinic. PROFESSORS JONAS AND DAVIS, DOCTORS UPDEGRAFF, LUDINGTON DANDY, AND MORISON.

2. **Principles of Surgery**—1 continued. Second semester, junior year.

3. **Bandaging**—The uses and application of bandaging, plaster of Paris (including its preparation), and other surgical dressings. Under the direction of the instructor students are required to apply dressings. One hour weekly. First semester, junior year.
DOCTOR EDMISTON.

4. **Practice of Surgery**—Covers part of the ground gone over in the recitation in the junior year. References to observations in hospital clinics are frequently recalled and elaborated to fix essential points in diagnosis and treatment. The subjects of the hospital clinics are brought up for conference in the classroom when cases are more thoroughly discussed than the time allotted to operative work permits. Members of the class in rotation are assigned cases for examination, or illustrative cases are cited upon which they are required to make reports on diagnosis, pathology, and treatment. These reports are critically discussed in conference. Two hours general clinic at the College Dispensary, principally on minor surgery, including examination, diagnosis, treatment, and minor operations. Two hours at the Omaha Hospital in general and major surgery at which cases illustrative of the lecture course in practical surgery are thoroughly demonstrated, at which there are regular operations on all regions of the body, including celiotomies and amputations. Two hours at Immanuel, Wise Memorial, or Douglas County Hospitals, also furnish opportunity for similar instruction. Members of the class are required to assist at operations and administer anæsthetics under direction, as occasions arise. First semester, senior year. (a) One hour lecture. One hour conference. PROFESSOR JONAS. (b) Six hours clinic. PROFESSORS JONAS AND DAVIS.

5. **Practice of Surgery**—4 continued. Second semester, senior year.

6. **Demonstrations**—Each member of the class is individually instructed in performing surgical operations on the cadaver. He is

required to master the details and steps of the more common operations necessary in practice, and is called on at times to perform ligations, amputations, excisions, celiotomies for various abdominal diseases, paracentesis, pleurotomy, rib resection, trephining, etc. Second semester, senior year.

PROFESSOR JONAS, DOCTOR MORISON.

7. **Section Clinics**—Special clinics by appointment in all of the hospitals mentioned above and the Womens' Christian Association Hospital, Council Bluffs. These clinics afford work in all branches of general and special surgery. First semester, senior year.

PROFESSORS JONAS, DAVIS, MACRAE, MACRAE JR.,
BROWN AND STOKES.

8. **Section Clinics**—7 continued. Second semester.

10. **Oral Surgery**—A short course of lectures on the surgery of the mouth, in its relation to diseases of the teeth, and alveolar processes; the care of the teeth, and the influence of neglect of the mouth in the production of general and stomach disorders. Second semester, senior year.

DOCTOR HUNT.

ORTHOPEDIC SURGERY

1. **Orthopedic Surgery**—A description of the various deformities, their diagnosis, pathology, and treatment; also of the different joint diseases, their mechanical and other treatment. The practical study of the subjects of the lectures is pursued at the surgical clinics in the Omaha and Douglas County hospitals. Operative procedures and the study of progress in the cases treated. One hour lecture. First semester, senior year. PROFESSOR JONAS.
2. **Orthopedic Surgery**—1 continued. Second semester.

THE
SUMMER SESSION

FACULTY OF SUMMER SESSION

ELISHA BENJAMIN ANDREWS, LL.D.

Chancellor and President of the University Senate

University Hall 102

LUCIUS ADELNO SHERMAN, PH.D.

Dean of the Graduate School and Professor of the English
Language and Literature

Library Hall 311

CHARLES EDWIN BESSEY, PH.D., LL.D.

Dean of the Industrial College and Professor of Botany

Nebraska Hall 110

ELLERY WILLIAMS DAVIS, PH.D.

Dean of the College of Literature, Science and the Arts and
Professor of Mathematics

Mechanic Arts Hall 302

HENRY BALDWIN WARD, PH.D.

Dean of the College of Medicine and Professor of Zoology

Nebraska Hall 204

GROVE ETTINGER BARBER, A.M.

Professor of Roman History and Literature

University Hall 205

HOWARD WALTER CALDWELL, A.M.

Professor of American History and Politics

University Hall 209

LAURENCE FOSSLER, A.M.

Professor of the Germanic Languages and Literature

University Hall 109

THE UNIVERSITY OF NEBRASKA

GEORGE WASHINGTON ANDREW LUCKEY, PH.D.

Professor of Education

University Hall 210

CHARLES RUSS RICHARDS, M.E., M.M.E.

Professor of Mechanical Engineering and Practical Mechanics

and Director of the School of Mechanic Arts

Mechanic Arts Hall 203

THOMAS LYTTLETON LYON, B.Sc.A.

Professor of Agriculture and Associate Director of the Nebraska

Experiment Station

Experiment Station Hall

EDWARD ALSWORTH ROSS, PH.D.

Professor of Sociology

Library Hall 301

JAMES INGERSOLL WYER, B.L.S.

Librarian and Professor of Bibliography

Library Hall

HOWARD REMUS SMITH, B.Sc.

Professor of Animal Husbandry

Mechanic Arts Hall 303

FERDINAND COURTNEY FRENCH, PH.D.

Professor of Philosophy

Library Hall 110

THOMAS MOREY HODGMAN, A.M.

Associate Professor of Mathematics

Mechanic Arts Hall 307

CLARA CONKLIN, A.M.

Associate Professor of Romance Languages, in Charge of the
Department

University Hall 301

PAUL HENRY GRUMMANN, A.M.

Associate Professor of the Germanic Languages

University Hall 111

WILLIAM FRANCIS DANN, A.M.

Assistant Professor of Greek History and Literature

University Hall 202

ALBERT LUTHER CANDY, PH.D.

Assistant Professor of Mathematics

Mechanic Arts Hall 430

FREDERIC EDWARD CLEMENTS, PH.D.

Assistant Professor of Botany

Nebraska Hall 102

ROBERT EDOUARD MORITZ, PH.D.

Assistant Professor of Mathematics

Mechanic Arts Hall 306

BENTON DALES, PH.D.

Assistant Professor of Chemistry

JAMES WILLIAM CRABTREE

Inspector of Accredited Schools

University Hall 102

GEORGE EVERT CONDRA, PH.D.

Assistant Professor of Geology

Nebraska Hall 203

ROSA BOUTON, A.M.

Adjunct Professor of Chemistry and Director of the School of
Domestic Science

Mechanic Arts Hall 105

CLARK EDMUND PERSINGER, A.M.

Adjunct Professor of American History

University Hall 209

THE UNIVERSITY OF NEBRASKA

FREDERICK AMES STUFF, A.M.
Adjunct Professor of English Literature
University Hall 308

HARRIET ALICE HOWELL, B.Ph.
Instructor in Elocution
University Hall 106

JOHN FREDERIK BROWN, B.Sc.
Instructor in Mechanical Engineering
Mechanic Arts Hall 211

LAURA BELLE PFEIFFER
Instructor in European History
Library Hall 308

LEON EMMONS AYLSWORTH, A.B.
Instructor in American History
University Hall 209

FRANKLIN DAVIS BARKER, A. M.
Instructor in Zoology
Nebraska Hall 205

MAY EDHOLM
Assistant in Physical Education
Memorial Hall

HENRIETTA McELROY BROCK
Instructor in China-Painting
Library Hall 305

LOUISE E. MUNDY
Instructor in Drawing and Painting
Library Hall 305

THE SUMMER SESSION

The Summer Session of 1904, which opens Friday, June 10, and closes Friday, July 22, is expected to be particularly practical and helpful to superintendents, principals, grade and high-school teachers and university students. The public-school teacher's needs for better library, laboratory and instructional facilities, the University seeks to meet. Attention is called to the unusual number of heads of departments who offer instruction and to the number and variety of courses. Superintendents and principals and persons preparing for these executive positions will find the course in School Management helpful. Grade teachers will be interested in the courses in geography, nature study, agriculture, physiology, and reading. High-school teachers will find valuable the courses in Latin, German, mathematics, American history, civil government, manual training, cooking, physical education, Greek history, English, botany, chemistry and zoology. University students and those desiring university credits will note the courses in pedagogy, psychology, French, German, American history, English literature, sociology, botany and art. Persons desiring preparatory credits will find courses adapted to their needs.

NATIONAL EDUCATIONAL ASSOCIATION—LOUISIANA PURCHASE EXPOSITION

Recognizing that many teachers in the Summer Session will wish to attend the meeting of the National Educational Association, which opens June 28, and to visit the

Louisiana Purchase Exposition, the University has made arrangements whereby they may do so.

A special University of Nebraska train for the faculty and students of the Summer Session, will leave for St. Louis on Saturday, June 25, and return Saturday, July 2. This train, which will fly the colors of the University, will consist of day coaches and tourist and standard Pullman sleepers. The University has secured, near the Exposition grounds, hotel accommodations at once comfortable and very inexpensive. To study special exhibits, such as the educational, industrial, history and art, parties conducted by university professors will be organized, thus affording teachers and students an unusual opportunity of seeing the Exposition. That ample accommodations may be provided, all persons who expect to join the excursion are requested to notify the director of the Summer Session at the earliest possible date. To insure the comfort of those who join the excursion, the University will take special pains. The director and registrar will personally attend to the business details of the trip. Many teachers have already signified their intention to go.

The privilege of this excursion is open only to students registered in the Summer Session and to members of the faculty and their families. Should there be room, others may be admitted, but at an advanced price.

That this excursion may not encroach upon the regular work of the Summer Session, classes will meet one more day each week than they otherwise would. Libraries, laboratories and work-shops will, however, be kept open during the week of the excursion for those who remain, for whom work will be planned.

SCHOOL OF SUPERINTENDENCE

The marked success of the school for superintendents and principals conducted in Omaha last summer by Superintendent C. G. Pearse, has convinced the Department of Education in the University that there is a demand for a School of Superintendence. With inadequate training and small experience men and women every year assume the duties of principal and superintendent. They are anxious to learn the methods which years of experience have brought the successful executive, but until last year they found no opportunity in Nebraska. Moreover, experienced superintendents and principals also feel the need of exchanging thought and discussing methods. The University desires to meet the needs of both classes. To this end it has prepared a course on School Management which, if approved by superintendents and principals, will be made a permanent feature of the Summer Session. From wide acquaintance with the needs and conditions of Nebraska schools, and from successful experience as superintendent at Ashland and Beatrice, no man in the state is better fitted to conduct such a course than Mr. J. W. Crabtree, inspector of the accredited schools of the University.

The following prominent superintendents deliver lectures: Anna K. Day, Gage County; W. K. Fowler, Lincoln; C. A. Fulmer, Beatrice; W. M. Kern, Columbus; C. G. Pearse, Milwaukee, Wis.; W. H. Pillsbury, Falls City; E. L. Rouse, Plattsmouth; J. W. Searson, Wahoo; E. B. Sherman, Schuyler; W. L. Stephens, Lincoln; W. W. Stoner, York; A. O. Thomas, Kearney; and others. They discuss

the following questions: what makes a good school? how to begin in a new town, how to visit a school, how should the principal use his time? how to deal with the board of education, how should teachers treat suggestions of the superintendent? how to organize outside influences, the value of institutes and summer schools, the teacher in social circles, graduating exercises, the superintendent as arbiter, a few essentials of discipline, practical problems of the school, critical moments, the recitation, the teacher's part, theory and practice, the teacher in relation to his environment, and weak places in the schools.

TEACHERS' BUREAU

The University maintains a Teachers' Bureau to assist students and graduates in securing positions as teachers and, at the same time, to aid superintendents and boards of education in providing schools with competent and suitable teaching talent.

Teachers attending the Summer Session who have not secured positions for the coming year should consult the Secretary of the Teachers' Bureau, University Hall 102.

ROUND TABLES

The Summer Session this year conducts a series of round-table conferences on subjects of special interest to teachers and prospective teachers. Professor Barber leads one for teachers of Latin; Professor Davis and members of his department, for teachers of mathematics; Professor Fossler, for teachers of German; Professor Caldwell, for teachers of American history; and Assistant Professor

Condra, for teachers of geography. A more detailed description of these conferences is given under "Courses of Study."

ILLUSTRATED LECTURES

An interesting and instructive feature of the Summer Session is the series of Thursday evening lectures illustrated by the University's new, powerful electric stereopticon. On June 16 Professor Lawrence Bruner speaks on "A Naturalist's Impressions of Argentina," in which country he spent nearly a year. The lecture includes an account of the climate, surface configuration, plant and animal life, and the customs of the people. On June 23 Assistant Professor Condra speaks on "Industrial Nebraska." On July 7 Assistant Professor Dann speaks on "Gothic Architecture." For this lecture slides have been especially prepared, showing the great cathedrals in northern France and England, and illustrating the construction and artistic effects of these noble productions of mediæval art. On July 14 Professor Barber speaks on "Ancient Rome as It Looks Today." This lecture, which is illustrated by one hundred and twenty-five lantern views showing buildings and ruins of ancient Rome as they are today, gives an idea of the stability and grandeur of the Eternal City. It deals with such subjects as the walls, aqueducts, and sewers, bits of scenery about Rome, the Pantheon, the Colloseum, triumphal arches, columns, the imperial forum, the Tullianum in which St. Paul was imprisoned, the catacombs, tombs along the Appian Way, St. Peter's, and the Quirinal Palace. The concluding lecture is given July 21 by Professor Caldwell on "Cartoons of Early American History." This lecture is followed by a short farewell reception and addresses by visiting superintendents and principals.

BOOKS AND THEIR USE

Librarian J. I. Wyer gives a course of lectures, open to all, on the relations of the school to the library, school libraries, books and reading, current events, and observations on the acquisition and effective use of libraries in small schools. Teachers will find these lectures very helpful and practical. No registration is required for this course. The lectures are given on June 14, 17, 21, 24, and July 8.

COURSES IN ART

The modern school curriculum inadequately trains the artistic element in the child's nature. The annual exhibits of the Nebraska Art Association have awakened the teachers of Lincoln and the state to this neglected feature of school work. The attention of teachers is called to the course on Italian art offered by Assistant Professor Dann and to the fee courses in fine arts given by Miss Mundy and Mrs. Brock.

CONSULTATION

The number and variety of the courses presented this summer may make selection a difficult matter. To secure proper classification of students and to prevent unwise or excessive registration, Dean Bessey and Dean Davis will personally consult with all applicants.

RECEPTION

On the evening of Thursday, June 16, from eight to eight-thirty o'clock, an informal reception will be given in Memorial Hall to the visiting teachers and students. Ad-

dresses of welcome will be given by Chancellor Andrews, Professor Ross, and one or more of the superintendents who lecture in the course on School Management. At eighty-third Professor Bruner will give his illustrated lecture on "A Naturalist's Impressions of Argentina." A social hour will follow the lecture.

CREDITS

The grade and high-school courses are carefully adapted to the needs of those preparing for state examinations. Superintendents are usually willing to grant institute credit to all teachers who do work in the Summer Session. For most courses two hours' credit are given. Six hours is the maximum credit allowed. Students should not register for more than three courses: it is recommended that they carry but two.

RAILROAD RATES

All Nebraska railroads give one and one-third round-trip rates to teachers attending the Summer Session. This rate is, as usual, on the certificate plan.

EXPENSES

The registration fee is \$6. In a few of the courses a laboratory fee is charged to cover actual cost of material used. Board and room cost from \$3.25 to \$5 a week.

For further information address

T. M. HODGMAN,
Director of the Summer Session,
The University of Nebraska,
Lincoln.

COURSES OF STUDY

AGRICULTURE

1. **Elementary Agriculture**—This course is designed especially for teachers who are preparing themselves to teach the subject in the upper grades of the common schools. The course as arranged has the approval of the state superintendent of public instruction. County superintendents accept, without examination, university grades in Agriculture. The subject is presented under three heads, namely, the Soil, Farm Crops, Domestic Animals. Each of these subjects occupies one-third of the time.

THE SOIL—The properties of the soil which affect its relation to water, air, tillage and crop production are treated in an elementary way. A series of lecture-table and laboratory demonstrations is conducted for the purpose of illustrating the functions of soil in crop production. The demonstrations are, as far as possible, of a kind that can be produced with very simple apparatus, and serve as a basis for similar demonstrations in the school room.

FARM CROPS—The principles of plant growth are briefly considered and methods for crop improvement studied. Lecture-table experiments are conducted to illustrate these subjects, and these are planned with a view to easy reproduction. In the laboratory, practice is given in the selection of seeds for the purpose of crop improvement.

DOMESTIC ANIMALS—The lectures on domestic animals of the farm are of a most elementary nature. Attention is directed to the development of the most important breeds of live stock, the leading characteristics of each breed, and their adaptation to local condition. The lectures are not technical. Teachers are given such information concerning domestic animals as may be found useful in the upper grades of the common schools. The main purpose is to instil into the mind of the pupil a love for our domestic animals and arouse interest in caring for their wants.

Six hours attendance. Two hours credit.

PROFESSOR LYON, PROFESSOR SMITH.

AMERICAN HISTORY AND POLITICS

- 1. A General Survey of American History from 1763 to 1876**—Outline and interpretation of the larger movements of American history from the beginning of the Revolution to the end of the Civil War and Reconstruction. The course covers (1) the struggle for American nationality, both political and economic (1763-1776); (2) the Democratic reaction and readjustment (1825-1840); and (3) the contest over the negro (1844-1876). Considerable attention is also paid to the methods and materials of teaching American history. One hour a week is devoted to stereopticon lectures dealing with the various topics studied. No text-book required. Six hours attendance. Three hours credit.

ADJUNCT PROFESSOR PERSINGER.

- 2. American Territorial Expansion**—A somewhat detailed study of American territorial development and its accompanying problems. The course includes (1) the struggle of the French and the English for possession of North America; (2) the formation and organization of the first national domain; (3) the acquisition of Louisiana, Florida, and New Mexico; and (4) the rise of the American colonial system—Alaska, Hawaii, the Philippines, etc. Especial emphasis upon diplomacy, geographical evolution, and governmental results of the various territorial enlargements. No text-book required, though Mowry's *Territorial Expansion* would be of assistance. Six hours attendance. Three hours credit.

ADJUNCT PROFESSOR PERSINGER.

- 3. Advanced Course in American History**—For graduate students and others who are prepared to do advanced work in the sources and who desire to do intensive work in the sources. The period from 1850 to 1860 is studied with special attention to a critical analysis and comparison of Rhodes and Von Holst on certain phases of the times. The available sources are used on various special topics, such as the Compromise of 1850, the Kansas-Nebraska Bill, the Lecompton Constitution in Congress. At least five hours attendance. Credit varies with the amount of work done.

PROFESSOR CALDWELL.

- 4. Civil Government**—The aim of this course is to give the student a general outline of the essential principles of our government—

national, state, and local—as parts of one great whole. Emphasis is placed on the actual operations of government, yet it is believed that a fair knowledge of the frame of government is essential to any correct understanding of it at work. Some attention is given to other governments. Methods of presentation text-books and their use, and sources of information are considered. The works of Hart, Woodburn, or Ashley may be used as the basis of study. Six hours attendance. Two or three hours credit.

PROFESSOR CALDWELL.

ART

1. **Italian Art**—The history of art in Italy during the fourteenth, fifteenth, and sixteenth centuries. The principal theme is the development of painting, beginning with the age of Giotto and ending with the masterpieces of Raphael, Michelangelo, and their contemporaries. Attention is given to the subject of architecture in Italy, embracing the earlier Romanesque churches. Lectures, recitations, and illustrations. The University's extensive collection of engravings, photographs, and stereopticon slides is used. Six hours attendance. Two hours credit.

ASSISTANT PROFESSOR DANN.

BOTANY

1. **General Botany**—This course follows the outline of the work in semestral courses 1 and 2 as closely as time permits. It traces the evolution of the principal plant types from the blue-green slimes through the algæ, fungi, liverworts, mosses, and ferns to the flowering plants. Lectures, quizzes, and laboratory work. In connection with this course Professor Bessey delivers several lectures on the teaching of botany. Six hours attendance. Twelve hours laboratory. Two hours credit.

ASSISTANT PROFESSOR CLEMENTS.

2. **Systematic Botany**—This course is intended for those who wish a general knowledge of the principles underlying the classification of flowering plants and the methods of identifying them. The chief work is the determination and field study of the species of woodland and prairie. Six hours attendance. Three hours credit.

ASSISTANT PROFESSOR CLEMENTS.

3. **Nature Study**—A course designed to acquaint the teacher with the plant material available for nature study and with the general principles of biological science. A number of lectures are given on methods of presentation and grade sequence. Six hours attendance. Twelve hours laboratory and field work. Two hours credit.

ASSISTANT PROFESSOR CLEMENTS.

CHEMISTRY

1. **Introductory Inorganic Chemistry**—The lectures include an elementary study of the commoner metals and non-metals and their typical compounds with the principal applications in commerce and in every-day life, and a consideration of the fundamental theories of the science where the compounds discussed best serve as illustrations. Careful attention is given to writing chemical equations and to solving chemical problems. The laboratory work gives a practical knowledge of a portion of the matter discussed in the lectures. A laboratory fee of \$2.50 to cover cost of materials must be paid to the instructor. Six hours attendance. Twelve hours laboratory. Two hours credit.

ASSISTANT PROFESSOR DALES.

DOMESTIC SCIENCE

1. **Domestic Science**—The course in domestic science is planned especially to meet the needs of those teachers who desire to introduce into their schools some work in "home science." The lecture-laboratory method is used. The lessons in cookery include very definite directions for the preparation of common foods for the table so that they will be palatable, wholesome and attractive. Elaborate dishes are not undertaken, for the course gives only such instruction as teachers may use in their own schools. The course is decidedly practical, for actual cooking is done in the kitchen laboratory. Helpful suggestions are given in regard to the nutritive value of foods, the best methods of cleaning, and how to make a house homelike. Though the course is designed especially for teachers, university students are admitted. A fee of \$2 is required to pay for food materials. Six hours attendance. Two hours credit.

ADJUNCT PROFESSOR BOUTON.

EDUCATION

1. **Child Study** (SEMESTRAL COURSE 4)—A study of the physiology and psychology of childhood, with special reference to the pedagogical principles involved; a careful study of the literature and investigations on the study of children; a thorough discussion of the methods used in child study; the effect of child study on methods of instruction, school management and other subjects of scientific pedagogy. Six hours attendance. Two hours credit.

PROFESSOR LUCKEY.

2. **Method of Instruction** (SEMESTRAL COURSE 7)—A critical study of the historical development of the various methods used in teaching elementary and secondary studies, including brief criticisms of the more recent methods and discussions outlining the principles that are best to follow. Stress is placed upon the proper correlation of studies, the relation of one subject to another and the fundamental principles of method underlying the teaching of all subjects. This course on general method deals with all the subjects taught in the public schools and can be supplemented by special methods courses as found in the different academic departments. Six hours attendance. Two hours credit.

PROFESSOR LUCKEY.

3. **Adolescence** (SEMESTRAL COURSE 17)—A study of the health, growth, mental and moral development of youth as related to the various problems of secondary education, such as attendance, interest, study, discipline, purpose, character. The literature on this subject has increased very rapidly the last few years. An advanced course in child study. Open to university graduates, teachers of experience, and students who have credit for semestral course 4. The course is conducted as a round-table. Three hours attendance. One hour credit.

PROFESSOR LUCKEY.

4. **A General Course of Lectures and Readings**—Suggestions by superintendents on important phases of school administration. Problems of the teacher and the superintendent. References for library readings. Five hours attendance. One hour credit. Lectures by Superintendents Fulmer, Pearce, Pillsbury, Rouse Searson, Sherman, Stephens, Stoner, and Thomas.

INSPECTOR CRABTREE.

ENGLISH LANGUAGE

1. **High-School English and Composition**—This course is handled primarily, from the point of view of the secondary pupil and in such a manner as to develop many or most forms of practicable student thinking and writing. As far as possible the pedagogy of every topic and exercise is developed and reduced to working principles. All methods and suggestions known to the instructor or propounded by members of the class, are tested and, so far as available or helpful, recognized and approved. Additional hours for conference concerning the outlining of courses of instruction and the development of material, are announced at the first meeting. Professor Sherman lectures to the members of this course on special topics concerning methods of instruction in English. These lectures are given at the regular class period. Six hours attendance. Two hours credit.

ADJUNCT PROFESSOR STUFF.

ENGLISH LITERATURE

1. **Shakespeare**—*Hamlet* (as presented in semestral course 10). Professor Sherman lectures on "Shakespeare's Times," "Shakespeare as a Man," and "The Study of Shakespeare as a High School and General-Culture Subject." These lectures are given at the regular class period. Six hours attendance. Two hours credit.

ADJUNCT PROFESSOR STUFF.

EUROPEAN HISTORY

1. **Teachers' Course in Greek History**—The aim of this course is to acquaint teachers with the subject-matter of Greek history, with methods of historical study, with the important sources and secondary histories, and with the best methods of teaching the subject. The work is presented as it should be to a high-school class. The use of sources, of secondary histories, of photographs, of maps, and the preparation of outlines and narratives are illustrated. The course is intended to give teachers something that they can apply directly in their classrooms. The methods of teaching illustrated in this course can be applied without difficulty to United States history. Persons registering for this course are expected to attend all the class exercises. They may, however, register for three hours or for six

hours credit. For the former credit but one-half the outside work is expected. Six hours attendance. Six hours or three hours credit.

MISS PFEIFFER.

GEOGRAPHY

1. **Geography**—This course consists of field excursions, laboratory work, library reading, and conferences in addition to the lantern lectures. The lectures are mainly devoted to general geography and the geography of the United States. About one week is given to the structure, topography, drainage, resources, and industries of Nebraska. The course as planned continues three weeks, during which time the instructor devotes practically all of his time to the different departments of the subject. The work is so arranged that teachers from all grades may enroll. Persons preparing for the professional certificate should take both geography and nature study. The conference subjects are as follows: (1) aims in geography teaching; (2) what a course in geography should include; (3) geography in the state course of study; (4) the relations of geography to other school subjects; (5) the use of topographic maps, models, folios and pictures; (6) geographic literature. Six hours attendance. Twelve hours laboratory. Two hours credit.

ASSISTANT PROFESSOR CONDRA.

GERMAN

1. **Beginners' Course**—Sufficient work is done to introduce students to the outlines of grammar and the principles of pronunciation. Students who complete this course may, with additional private study, fit themselves to enter semestral course 2. Text-book: Edgren and Fossler's *German Grammar*. Six hours attendance. Three hours credit.
2. **Teachers' Training Course**—Open to students who have had two years of German. This course is not the equivalent of semestral course 17, since no work in German composition is required. Methods of teaching are studied with special reference to the needs of American teachers. Sufficient work in the outlines of phonetics and historical grammar are presented to enable the teacher to approach his problems intelligently. Some time is also devoted to the discussion of text-books for high schools. Six hours attendance. Three or four hours credit.

ASSOCIATE PROFESSOR GRUMMANN.

ROUND TABLE—A feature of this course is the round-table discussion of practical problems connected with teaching German. Professor Fossler, head of the department, takes part in these exercises. He intends to give a series of informal lectures on topics of interest to the teachers. The aim is to weld together the various interests and claims of German instruction, to unify efforts, and to systematize them so as to insure greater efficiency and more satisfactory results. All teachers of German are requested to take part in these discussions, thus giving the result of their experience and judgment.

LATIN

These courses are primarily for teachers. They require fifteen hours of class-room work and give five hours credit. If only a part is taken, a proportional amount of credit is given. Course 4 may be taken alone. If other courses are taken, this should be included. Hale and Buck's *Latin Grammar* is used, but references are made to other grammars for those who prefer them. An effort is made in the daily readings to adjust the grammars to one another in their treatment of various constructions.

1. **Cicero**—Two orations. Drill in moods and tenses. Some attention given to case constructions. A few sample exercises in prose composition are given. Practice in sight-reading. Six hours attendance. Two hours credit. PROFESSOR BARBER.
2. **Cæsar**—Two books. Drill in case construction and the use of moods and tenses in narration. Prose composition. Four hours attendance. One hour credit. PROFESSOR BARBER.
3. **Vergil**—One book. Drill in prosody and in reading metrically. Study of prose and poetic idioms. Reading by hearing. Two hours attendance. One hour credit. PROFESSOR BARBER.
4. **Lectures on Methods and Practice**—Dictations on moods and tenses and a classification of subordinate clauses. Three hours attendance. One hour credit. PROFESSOR BARBER.

MANUAL TRAINING

1. **Manual Training**—This course gives instruction in using and caring for some of the simpler tools, such as the Sloyd knife, saw, plane, square, gauge, etc.; in making some of the simpler exercises in

bench-work, such as splicing, mortising and tenoning, dovetailing, etc.; and in constructing a number of the regular Sloyd models. The work is such that, with various modifications, it may be adapted to the needs of pupils from the fifth through the eighth grade. The marked success of manual training has led to its very general introduction into the schools of America. The idea that it is desirable to train all of the child is now generally accepted. Manual training is not alone merely "manual" training: it quickens and develops the mental faculties also. The subject has passed the "fad" stage, and is now accepted as an essential part of the modern school curriculum. In its different phases manual training is now given in all of the grades from the kindergarten through the high school. For the lower grades, paper-cutting and paper-folding, clay-modelling, work with cardboard, sewing, bent-iron work and raffia work are adapted. From the fifth grade through the first year of the high school, Sloyd or knife work, together with the use of the different carpenter's tools, may be given. The cost of supplies for this elementary work is not great. This course is primarily for teachers. Under no circumstances are other applicants admitted if under sixteen years of age. The course aims to enable teachers of limited experience to secure practical results. For this course there is a special fee of \$2. Each member is required to furnish a Sloyd knife, pencil-compass, background punch, a bench-work manual and suitable shop clothes. Professor Richards gives some of the lectures. Twelve hours attendance. One hour credit. MR. BROWN.

MATHEMATICS

1. **Computation**—This course is intended primarily for teachers. It should not be attended by anyone who has not had at least one year's work in algebra. This course together with the course in algebra is the equivalent of semestral course Algebra Y. The course aims to teach how to plan even a rather complicated computation, how to carry it out expeditiously, and, finally, how by systematic checking to insure the accuracy of the results. Text-book: Von Velzer and Slichter's *Logarithmic Tables*. Reference texts: Beman and Smith's *Elements of Algebra*, Davis's *Logic of Algebra*, Langley's *Computation*, Durfee's *Trigonometry*. Six hours attendance. Two hours credit. PROFESSOR DAVIS.

- 2. Algebra**—This course is intended primarily for teachers. It should not be attempted by anyone who has not had at least one year's work in algebra. Some knowledge of the subjects mentioned below is desirable. They are considered in the following order: (1) theory of indices, including fractional and negative exponents; (2) imaginary and complex numbers; (3) curve-tracing; (4) quadratic equations of one and two unknowns; (5) arithmetic and geometric progressions, logarithms; (6) the binomial theorem; (7) the elements of the theory of equations; (8) indeterminate coefficients, the decomposition of rational fractions; (9) permutatives and combinations with applications to problems in probabilities. Text-book: Beman and Smith's *Elements of Algebra*. Six hours attendance. Two hours credit.

ASSISTANT PROFESSOR MORITZ.

- 3. Plane Geometry**—This course is intended for high-school teachers who desire a deeper insight into the principles of geometry or wish assistance in overcoming difficulties connected with the teaching of the subject. A general knowledge of the subject-matter is therefore assumed in order that the attention of the class may be given (1) to the solution of exercises both of construction and demonstration and preferably of those collected and proposed by members of the class; (2) to discussions of subjects of special difficulty such as loci, the theory of proportion, the notion of limit, and other topics that may be suggested by members of the class; and (3) to supplemental exercises dealing with the use of squared paper, experimental verification of results, paper-folding, correlation with other subjects, etc. This course is not open to beginners in geometry. Text-book: Holgate's *Elements of Geometry*. Six hours attendance. Two hours credit.

ASSISTANT PROFESSOR MORITZ.

- 4. Round Table for Teachers of Mathematics**—Informal discussions of topics related to the teaching of mathematics such as sequence of subjects, correlation, contemporary literature, bibliographies, criticisms of text-books, aims in teaching, and preparation of, teachers. All teachers of mathematics are cordially welcome. One hour attendance. PROFESSOR DAVIS, assisted by ASSOCIATE PROFESSOR HODGMAN, ASSISTANT PROFESSORS CANDY and MORITZ.

NATURE STUDY

1. **Nature Study.**—A course in the elements of nature study from the botanical, zoologic and physiographic points of view. It is concerned especially with the field study of plants and the forms of the land, as well as with the connection between vegetation and physiography. The laboratory work involves the study and recognition of the great groups of plants, the soils, the rock-forming minerals, the types of rocks, etc. The animals common to Nebraska are studied by means of lectures and work in the field. Six hours attendance. Twelve hours laboratory and field work. Two hours credit. ASSISTANT PROFESSOR CLEMENTS, ASSISTANT PROFESSOR CONDRA, MR. BARKER.

PHILOSOPHY

1. **Psychology.**—The first part of the course consists of a general survey of the facts and laws of the mental life. The order of treatment is as follows: (1) introduction: nature of psychology, its relation to other sciences and to practical life, literature; (2) general conditions and characteristics of mind: physiological conditions, consciousness, attention, time of mental states; (3) special states and processes: knowing (sensation, memory, imagination, perception, thought), feeling (nature evolution of expression), willing (instinct, habit, imitation, suggestion, volition); (4) nature of mind and its relation to the body. In the second part of the course certain special forms of mental action which have to do particularly with education are studied. Such topics as appreciation, interest, attention, imitation and suggestion are taken up in order to discover those laws of mind and principles of instruction which are the most vital importance in the work of education. Two facts fundamental to all scientific method in teaching are kept constantly in view: first, that the mind is a living, growing agent, never a mere receptacle; and, second, that their agent operates in and through the instrumentality of the bodily organism. The course as a whole is designated to afford to new students a general introduction to psychology and to those who have already made some study of the subject an opportunity to freshen their knowledge and view the subject from a new standpoint. The aim throughout is to so present the principles of psychology that they

can be applied practically to the work of instruction. The first five hours of the week are devoted to lectures, with a few minutes at the beginning of the hour for questions from the class on the previous lecture. The Saturday hour is given to an informal round-table discussion, quiz and reports of assigned reading. The facts and laws of mind studied are illustrated as far as practicable by experiments, for which the well-equipped psychological laboratory of the University affords every facility. Six hours attendance. Two hours credit, which may be counted for the University Teacher's Certificate.

PROFESSOR FRENCH.

PHYSICAL EDUCATION

1. **Physical Education** — This course is intended primarily for high-school teachers and those who wish to use such work in connection with their regular teaching. The work is planned to give as practical a knowledge as possible of the teaching and supervision of school gymnastics and indoor and outdoor games. Along with this practical work a certain amount of the theory of gymnastics and methods in teaching are given. During the latter part of the course the members of the class who desire it are given an opportunity to teach a class in gymnastics, thus getting the benefit of the instructor's criticisms and suggestions. Instruction is also given in organizing and coaching basket-ball teams. After each class period the instructor gives suggestions for individual work. Exercises for developing different parts of the body and for correcting any abnormal condition which can be treated by exercise. The following is a brief outline of the course: exercises for correcting poise in walking, standing, and sitting; military and figure marching (suitable for exhibition work); Swedish gymnastics, which are very adaptable to school-rooms; light apparatus — wands, bar-bells, dumb-bells, Indian clubs, bounding balls; heavy apparatus — elementary work on horse, parallel bars, flying rings, traveling rings, climbing ropes and poles, balance beams, Swedish ladder, spring-board, indoor and outdoor games, basket ball. The lighter work is supplemented occasionally by artistic work (Gilbert's), fancy steps, and Swedish folk dances. If it is found advisable lighter work may be substituted for heavy apparatus work. Six hours attendance. One hour credit.

MISS EDHOLM.

PHYSIOLOGY

1. **Physiology**—This course is intended to meet the needs of both grade teachers and high-school teachers. For it the student needs no previous training in the subject. It consists of lectures on the general structure and composition of the human body, the fundamental physiological actions, the skeleton, the organs of motion and locomotion, the organs of digestion, the circulatory and respiratory systems, and the nervous system. Particular attention is given to the organs of special sense—the eye and the ear. The effect of narcotics and stimulants on the various organs is considered. Each lecture is illustrated by manikins, charts, and lantern views. The lectures are supplemented by four two-hour periods each week of practical work in the laboratory, where students have ample opportunity to study the various organs and systems of the body and are given instruction in the preparation of material for demonstration to classes. The laboratory work includes the study of the skeleton, the structure and composition of bone, the contractility and the irritability of muscular tissue, the microscopic examination of blood, the study of the heart and blood vessels, and the action of the digestive fluids on the various kinds of foods, and the dissection of the brain and the special sense organs. In the laboratory only such experiments are made as classes in schools having little or no equipment may easily perform. The valuable equipment of the departments of Zoology, Physiology, and Anatomy are at the service of the student. Professor Ward gives some of the earlier lectures. Six hours attendance. Twelve hours laboratory. Two hours credit.

MR. BARKER.

READING AND EXPRESSION

1. **Art of Reading and Expression**—This course is intended for both the teacher and the general student of reading and speaking. To awaken and cultivate the pupils' appreciation of a piece of literature, the teacher needs not only to be imbued with the spirit of it but also to have cultivated powers of expression. The course aims to help the student to a clear, easy, natural, sincere style. One hour attendance. One hour credit.

MISS HOWELL.

ROMANCE LANGUAGES

1. **Elementary French**—This course corresponds to semestral course 1. The language is taken up scientifically and comparatively. The course consists of drill in grammar, verbs, pronunciation, dictation and idiom, in connection with an appreciative reading of 150 to 200 pages of modern French. The course is designed for both students and teachers. Twelve hours attendance. Five hours credit.
ASSOCIATE PROFESSOR CONKLIN.

SOCIOLOGY

1. **Sociology**—An effort is made to present in compact form the established truths of the science. Although the literature of the subject is vast and growing, its contribution to philosophy is not so great but that it may be set forth within a comparatively small compass. More important even than the results of sociology is the new way of thinking it stands for. The rise of this young science is profoundly modifying economic, political, ethical and educational thought, and hence the instructor seeks to familiarize the student with what has come to be known as "the sociologic point of view." Special attention is paid to the needs and tendencies of contemporary American society in order that the teacher may see what role he is called upon to fill and may pass intelligently upon the numerous educational tasks that are pressed upon him. The course ends with three lectures on the leading factors and features in the social evolution of today. Open to all. Six hours attendance. Two hours credit.
PROFESSOR ROSS.

ZOOLOGY

1. **General Zoology**—This course is arranged not only for teachers or zoology but also for persons who have never studied the subject. The lectures deal with the structure of protoplasm, the cell and its activities, the forms of life and their structure, the functions of the animal body and the development of animal types selected to illustrate general biological principles. The general problems of evolution, heredity, and environment are considered. The lectures are fully illustrated by charts and lantern views and are supplemented by practical work in the laboratory in dissect.

ing and studying typical forms of the various groups of animals. Special attention is given to preparing and dissecting forms for class use and demonstration. A feature of this course is the frequent trips into the field where suitable places and conditions for collecting material for class use are pointed out and where the various forms of animal life are studied in relation to their environment. Students may secure two hours credit by pursuing, in addition to the regular work, a required course in reading and by passing an examination in the subject at the close of the session. Professor Ward gives some of the earlier lectures. Six hours attendance. Twelve hours laboratory. Two hours credit.

MR. BARKER.

THE SCHOOLS OF AGRICULTURE,
DOMESTIC SCIENCE, FINE
ARTS, MECHANIC ARTS,
AND MUSIC

FACULTY OF THE SCHOOL OF AGRICULTURE

ELISHA BENJAMIN ANDREWS, LL.D.
Chancellor and President of the University Senate

EDGAR ALBERT BURNETT, B.Sc.
Associate Dean of the Industrial College, in Charge of All Agricultural
Instruction and Work, and Professor of Animal Husbandry

ALBERT EUGENE DAVISSON, A.B.
Principal and Professor of Economics

LAWRENCE BRUNER, B.Sc.
Professor of Entomology

CHARLES RUSS RICHARDS, M.M.E.
Professor of Practical Mechanics

THOMAS LYTTLETON LYON, PH.D.
Professor of Agriculture

ALBERT THEODORE PETERS, D.V.M.
Investigator of Animal Diseases

SAMUEL AVERY, PH.D.
Professor of Agricultural Chemistry

HOWARD REMUS SMITH, B.Sc.
Professor of Animal Husbandry

ROLLINS ADAMS EMERSON, B.Sc.
Associate Professor of Horticulture

ARCHIBALD LOUIS HAECKER, B.Sc.A.
Associate Professor of Dairy Husbandry

THE UNIVERSITY OF NEBRASKA

JAMES HARRISON GAIN, M.D.C.
Adjunct Professor of Animal Pathology

JULIA EMMELINE LOUGHRIDGE, A.B.
Instructor in Mathematics

HOMER LEROY SCHANTZ, B.Sc.
Instructor in Botany

JAY BROWNLEE DAVIDSON, B.Sc.
Instructor in Forge Work and Farm Machinery

RACHAEL CORR, B.Sc.,
Assistant in Chemistry

FLORA BULLOCK, A.B.
Assistant in English

JOSEPHINE REED EGGLESTON
Assistant Registrar

GENERAL INFORMATION

The School of Agriculture is a secondary school offering instruction in subjects pertaining to farming. This instruction is not identical with that given in the winter course in agriculture, but is a much more detailed study of the various subjects which everyone who expects to make farming his occupation should know. The course is designed to train men and women for greater usefulness and efficiency on the farm. It also furnishes a partial preparation for those who desire to enter the technical agricultural group in the University. All such students, however, are required to take a year of preparatory work in addition to that offered in this course.

The libraries, museums, and other accessories of the University are available to students in this School.

THE SCHOOL YEAR

The school year is divided into two terms. The first term opens November 7, 1904, and closes January 28, 1905. The second term opens January 30, 1905, and closes April 28, 1905.

The University usually allows three days' vacation at the Thanksgiving recess. The School of Agriculture observes Thanksgiving day only. The Christmas vacation begins Thursday, December 22, and ends Monday, January 2. The Easter recess is not observed.

REQUIREMENTS FOR ADMISSION

The School is open to men and women of sixteen year of age or over, not otherwise registered in the University,

who pass successfully an examination or present to the registrar proper "credits" in the following subjects: arithmetic, grammar, geography, United States history, physiology, reading, spelling, writing.

Examinations in these subjects are of the same character as those ordinarily required for entrance to the ninth grade of the public schools. An applicant presenting a certificate from a school accredited to the School of Agriculture or from the superintendent of a county whose schools are accredited, is admitted without examination.

CERTIFICATES

Certificates are granted students who satisfactorily complete the required work of the School.

FEES AND EXPENSES

Tuition is free to residents of the state.

Matriculation fee.....	\$5
Incidental fee, each year.....	4
Chemical laboratory, a year.....	6
Shop work, a year.....	2

Board and room cost about \$2.75 a week.

COURSES OF INSTRUCTION

FIRST YEAR

FIRST TERM	Class Hours	* Practice Periods
Breeds and Judging of Live Stock.	2	1
English	2	....
Farm Mechanics (Shop Work and Farm Machinery) ....	....	2
Book-keeping.....	....	2
General Horticulture	2	1
Field Crops and Farm Management.....	3	1
Mathematics (Higher Arithmetic).....	3	....
Entomology 1.....	2
Butter and Cheese Making.....	2	2

* Practice periods are two hours in length.

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9

SECOND TERM	Class Hours	Practice Periods
Breeds and Judging of Live Stock.....	2	1
English.....	2	....
Farm Mechanics (Shop Work and Farm Machinery)		2
Book-keeping.....	....	2
General Horticulture.....	2	1
Field Crops and Farm Management.....	3	1
Mathematics (Algebra).....	3	....
Entomology.....	2	....
Butter and Cheese Making.....	2	2
	<hr/> 16	<hr/> 9

SECOND YEAR

FIRST TERM

Civics and History.....	2	....
Anatomy and Physiology of Farm Animals.....	3	1
Feeding Live Stock.....	3	....
Botany.....	....	3
Soils.....	....	1
Chemistry.....	3	2
English.....	2	....
Shop Work.....	....	1
Mathematics (Geometry).....	2	....
	<hr/> 15	<hr/> 8

SECOND TERM

Civics and History.....	2	...
Anatomy and Physiology of Farm Animals.....	3	1
Feeding Live Stock.....	3	....
Botany.....	....	3
Soils.....	....	1
Chemistry.....	3	2
English.....	2	....
Shop Work.....	....	1
Mathematics (Geometry).....	2	....
	<hr/> 15	<hr/> 8

THIRD YEAR

FIRST TERM	Class Hours	Practice Periods
Veterinary Practice.....	3	1
Breeding Live Stock.....	3	....
Economics.....	3	....
Horticulture	3	1
Soils	2	....
English	2	....
Shop Work.....	....	1
Physics	2	....
	<hr/> 18	<hr/> 3
SECOND TERM		
Veterinary Practice.....	3	1
Breeding Live Stock.....	3	....
Economics	3	....
Horticulture.....	3	1
Soils	2	....
English	2	....
Shop Work.....	....	1
Physics	2	....
	<hr/> 18	<hr/> 3

THE WINTER COURSE IN AGRICULTURE

The winter course in agriculture begins January 2, 1905, and closes March 3, 1905. This course is designed to meet the demand for simple and practical instruction in agriculture. It occupies but a short time and that at a season of the year when farm work is least pressing. No examinations for entrance are required, but applicants are expected to have a good knowledge of the primary branches as taught in the district schools and must be at least sixteen years of age.

The course of instruction aims to be as practicable as possible, giving the student such information and training

as will be of value to him when he returns to the farm. The instruction is by means of lectures and actual practice. The practice, however, as is seen below, is not in the kinds of farm work with which every farmer is familiar, but in operations requiring skill and knowledge which are not ordinarily acquired on the farm.

COURSE OF STUDY

	Class Hours	Practice Periods
Soils	2	....
Field Crops and Farm Management.....	2	....
Butter and Cheese making.....	2	....
Management and Judging of Live Stock.....	6	2
Orcharding and Gardening.....	2	1
Diseases of Live Stock.....	3	1
English	3	....
Shop Work.....	....	2
	<hr/> 20	<hr/> 8

THE FACULTY OF THE SCHOOL OF DOMESTIC SCIENCE

ELISHA BENJAMIN ANDREWS, LL.D.
Chancellor and President of the University Senate

ROSA BOUTON, A.M.
Director and Adjunct Professor of Chemistry

ANNETTE PHILBRICK, B.Sc.

CHARLES EDWIN BESSEY, LL.D.
Professor of Botany

LAWRENCE BRUNER, A.M.
Professor of Entomology

LAURA DANA PUFFER
Instructor in Mathematics

ANNE BARR-CLAPP, A.M.
Adjunct Professor of Physical Education

CHARLES CARLETON ARBUTHNOT, PH.D.
Adjunct Professor of Political Economy

SARA SHEWELL HAYDEN
Instructor in Drawing

GENERAL INFORMATION

The School of Domestic Science is a secondary school, offering a two years' course designed for women who, whether candidates for degrees or not, desire to make a special study of the scientific principles upon which a healthy, happy and refined home life depends.

The school year coincides with the university year, which embraces thirty-nine weeks. Students are required to report promptly at the beginning of the school year.

REQUIREMENTS FOR ADMISSION

Applicants for admission must be at least sixteen years of age. Arithmetic and elementary English grammar are required as preparation for this course.

CERTIFICATES

Certificates are granted students who satisfactorily complete the required work of the School.

FEES AND EXPENSES

Tuition is free to residents of the state.

Matriculation fee	\$5
Incidental fee, each semester.....	3
Kitchen laboratory fee, each semester first year.....	3
Kitchen laboratory fee, each semester second year.....	5
Chemical laboratory fee.....	5

Two extensive courses in general cookery, designed for persons who are not regularly registered at the University but desire to take some work in this department, are also offered. To cover the cost of food materials used a fee of \$3 is required in each of these courses.

COURSE OF INSTRUCTION

	FIRST YEAR	1st Semester Hours	2d Semester Hours
Domestic Science (cookery).....		3	3
Household Economics (lecture course).....		2	2
Chemistry A, Entomology 10.....		4	2
Drawing.....		2	2
English A, B.....		5	5
Physical Education 21, 22.....		1	1
Physical Education 6a.....			2
		17	17
	SECOND YEAR		
Domestic Science (cookery).....		3	3
Chemistry of Food and Cleaning Agents.....		2	2
Botany 1, Bacteriology.....		3	3
Political Economy.....		2	2
Mathematics A, B.....		5	5
Physical Education 23, 24.....		1	1
		16	16

COURSES OF INSTRUCTION

Domestic Science Proper—The aim in the kitchen as well as in the laboratory is to teach the fundamental principles of cookery and their application in the preparation of individual dishes. Practical work in cooking in a kitchen laboratory. The most economical method of cooking as well as those which render food most nutritious, palatable and attractive. House plans and the equipment of the home. The rational division of income. The furnishing and care of the home.

Chemistry—First semester of first year, general chemistry; second year, the chemistry of cooking, cleaning and home sanitation.

Biology—Entomology two hours a week the second semester of the first year. The second year, botany three hours a week the first semester and bacteriology three hours the second semester.

Mathematics—A brief review of arithmetic. An elementary study of algebra and plane geometry.

English—Reading from classic authors, mainly prose. Three hours a week. English composition with the essentials of grammar and rhetoric, two hours a week.

Free Hand Drawing—Free hand drawing and some work in painting and wood-carving. Lectures on the harmony of color and on using one's means, large or small, to the best advantage in making the home beautiful.

THE FACULTY OF THE SCHOOL OF FINE ARTS

ELISHA BENJAMIN ANDREWS, LL.D.

Chancellor and President of the University Senate

SARA SHEWELL HAYDEN

Director

HENRIETTA McELROY BROCK

Instructor

GENERAL INFORMATION

The School of Fine Arts occupies rooms on the third floor of Library Hall. The class rooms are well lighted, attractive, and completely equipped with easels, frames and casts.

The Fine Arts Gallery, a fire-proof, well lighted room, fitted with two hundred electric lights, is sixty by seventy feet in dimensions. Here are held minor exhibitions, and the annual mid-winter exhibitions, by the Nebraska Art Association, of paintings by leading American and foreign artists. The gallery contains the paintings, purchased at the annual exhibitions by the Nebraska Art Association, among which are Andre Dauchez's *The Reefs*, Potthast's *The Waning Day*, Harrison's *Harvard Bridge*, Lucy Conant's *The Marshes*, Symon's *Autumn*, and Elizabeth Nourse's *Petite Paysanne de Bretagne*. In the gallery are also the casts, including Chapu's *Joan de Arc*, used by the students in the School.

COURSES OF INSTRUCTION

The School of Fine Arts offers courses in drawing, painting, sculpture, wood-carving, and ceramics.

A course of lectures on art topics is given each winter.

DRAWING AND PAINTING

The courses in drawing and painting are divided into the following four classes, or sections, through each of which the student must pass in succession.

Promotion from class to class is made through examinations held the first of every month. At these examinations each student must submit for inspection examples of his work for the month. At each of these examinations the inspection committee selects the best of the work to be hung upon the wall. From these pieces is chosen the work for the final examination.

1. **Elementary**—Drawing from geometrical solids, still-life, and antique fragments in outline and light and shade.
2. **Intermediate**—Pen and ink. Perspective.
3. **Antique**—Heads and figures from cast. Still life in colors.
4. **Life**—Costume; life class.

Work in wood-carving and china-painting can be carried at any time during the course.

A sketch class, which is free to students of the department, is held one evening each week. A fee of \$3.00 each semester is charged outside members.

CHINA-PAINTING

Figure painting on porcelain; flower painting from nature; enamels, conventional and all branches of decorative work.

FEES, INCLUDING USE OF STUDIO

DRAWING AND PAINTING

One lesson a week, each semester	\$10
Two lessons a week, each semester	18
Three lessons a week, each semester	25

CHINA-PAINTING

One lesson a week, each semester.....	\$12
Two lessons a week, each semester.....	23
Three lessons a week, each semester.....	33

Special arrangements are made with persons desiring to take less than a semester's instruction.

THE FACULTY OF THE SCHOOL OF MECHANIC ARTS

ELISHA BENJAMIN ANDREWS, LL.D.,
Chancellor and President of the University Senate

CHARLES RUSS RICHARDS, M.M.E.,
Director and Professor of Mechanical Engineering and
Practical Mechanics

DEWITT BRISTOL BRACE, PH. D.,
Professor of Physics

ELLERY WILLIAMS DAVIS, PH. D.,
Professor of Mathematics

HENRY HUDSON NICHOLSON, A.M.,
Professor of Chemistry

LUCIUS ADELNO SHERMAN, PH. D.,
Professor of English Language and Literature

GEORGE HART MORSE, B.E.E.,
Professor of Electrical Engineering

ROBERT EDOUARD MORITZ, PH. D.,
Assistant Professor of Mathematics

MELVIN PRICE, B. Sc.,
Assistant Professor of Mechanical Drawing and Machine Design

HERBERT SILAS EVANS, E.E.,
Adjunct Professor of Electrical Engineering

CHARLES LEE DEAN, B. Sc.,
Instructor in Mechanical Engineering

JOHN FREDERIK BROWN, B. Sc.,
Instructor in Practical Mechanics

WILLIAM WARD VOTAW
Instructor in Practical Mechanics

LAURA DANA PUFFER
Instructor in Mathematics

WALTER SCOTT PAYNE
Instructor in Practical Mechanics

JESSE BISCH BURKHARDT
Instructor in English

FRED DORMANN
Instructor in Mechanical Drawing

GENERAL INFORMATION

The School of Mechanic Arts is a secondary school offering a two years' course in the fundamental principles of mechanical work to men who have not the time, preparation, or money to take up a regular course in engineering. It is not a trade school, since no specific trade is taught, but the elements of all of the more important trades are presented.

While it is not a preparatory school to the University, and while additional study is required to enter the regular courses after completing the work of this School, still this work proves of direct benefit to those who do take up the collegiate engineering courses.

Students must report promptly at the beginning of the school year. It is impossible for students to enter this School at the beginning of the second semester.

REQUIREMENTS FOR ADMISSION

The School is open to men of sixteen years of age or over, who are not otherwise registered in the University.

Applicants must understand arithmetic and elementary English grammar. Students who enter after the beginning of the semester are, at the discretion of the heads of the departments in which work is taken, required to take examinations.

CERTIFICATES

Certificates are granted students who satisfactorily complete the required work of the School.

COURSE OF INSTRUCTION

Students are required to take the course as outlined. Substitutions are not permitted except when the student presents credits for some of the required work.

For description of these courses see "Courses of Instruction" in the announcement of the general colleges.

All subjects are planned with reference to the needs of the practical mechanic. Particular stress is laid upon the work in mathematics, English, and all class-room subjects.

Students in this School use the regular apparatus of the shops and drawing room provided for the engineering departments.

FIRST YEAR		1st Semester Hours	2d Semester Hours
Mathematics (Algebra and Plane Geometry).....		5	5
English A, B.....		5	5
Mechanical Engineering (Lectures on Elementary Engineering) 19, 20.....		2	2
Mechanical Drawing 9, 10.....		2	2
Mechanical Engineering (Shop Work) 1, 2.....		3	3
		<hr/> 17	<hr/> 17
SECOND YEAR			
Mathematics (Algebra and Geometry).....		4	5
English C, D.....		1	1
Physics 1, 2.....		3	3
Mechanical Engineering (Mechanical Practice) 21		2	....
Electrical Engineering (Electrical Machinery) 12	....		2
Mechanical Engineering (Steam Machinery) 23..		2	...
Mechanical Drawing 11, 12.....		2	2
Mechanical Engineering (Shop Work).....		3	5
Operation of Engines and Boilers.....		1	....
		<hr/> 18	<hr/> 18

Three hours in the shop or drawing room counts for one hour credit in the schedule.

THE FACULTY OF THE SCHOOL OF MUSIC

ELISHA BENJAMIN ANDREWS, LL.D.
Chancellor and President of the University Senate

WILLARD KIMBALL
General Director and Instructor in Pipe Organ Playing

PIANO-FORTE DEPARTMENT

HENRY PURMONT EAMES
Director

MRS. WILL OWEN JONES	ALLEYNE ARCHIBALD
PHILIP HUDSON	
LURA SCHULER	NELLY GRIGGS

VOCAL DEPARTMENT

HOWARD IRA KIRKPATRICK	HARRY RUPERT CARR
MRS. CARRIE BELLE RAYMOND	ODA CLOSSON

THEORETICAL DEPARTMENT

MORTIMER WILSON	HENRY PURMONT EAMES
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VIOLIN

SILENCE DALES

CELLO

LILLIAN EICHE

EVERETT CARDER
Secretary

GENERAL INFORMATION

The School of Music offers courses in all grades of instrumental and vocal music.

Students may take privately any one or more of the courses outlined. In order to be graduated, however, a candidate must pursue three courses, (1) the complete course in the science of music, including sight-singing, harmony, counterpoint, orchestration, history and theory of music; (2) in instrumental music, either pianoforte, pipe-organ, violin, or voice; and (3) one elective course.

This requirement is made in order to secure to one who seeks a diploma from the University such mastery of the principles and practice of musical art as enables the graduate to secure and maintain an honorable position in a first-class musical institution, at the same time guarding against a narrow and one-sided view of the subject and developing a broad and generous musical culture which shall not overestimate the value of mere virtuosity.

REQUIRED COURSE OF INSTRUCTION

1. **Theory of Music**—Text-book and lectures, twice each week for one year.
2. **Sight-Singing**—Work in elementary university chorus, once each week for one year.
3. **Elementary Harmony** — Notation, terminology, formation of chords, modulation; text-book, lectures, composition and practice twice each week for one year. This course must be preceded by course 2.

4. **Advanced Harmony**—Suspension, harmonizing, chorales, enharmonics, figuration, four-to-eight-part writing, study of form, counterpoint, twice each week for one year.
5. **Piano, Pipe-Organ, Violin or Voice**—Twice each week throughout the course.

THE ORGAN

This department is under the personal supervision of the director of the school.

A two-manual pedal organ, large enough to display the principles of organ-playing, is at the service of the students. Arrangements for the use of larger organs may be made.

The organ, which was on exhibition at the Trans-Mississippi Exposition, has been presented to the University through the generosity of its alumni and friends. It stands in Memorial Hall.

LECTURES

Among the free advantages offered by the School is a course of lectures on musical topics by instructors in the School of Music and in the University. Attendance upon this course is required from all regular students.

CONCERTS

During the school year a number of concerts are given. There are the choral series, the university chorus and soloists in oratorio, artists' series, performers from abroad and from the faculty, chamber-music series, string trios, quartettes and quintettes, semi-public soirees by instructors and pupils, and weekly recitals by pupils for the acquirement of self-possession.

UNIVERSITY WORK

For students in regular university courses the study of the piano, violin, and organ, also voice culture and the science of music, are elective during the junior and senior years. A regular student of the School may, on paying the usual fees, enter any college of the University as an unclassified student.

GRADUATE WORK

Courses two years or less in length are planned for those who have completed the regular work but who desire to pursue certain branches farther. These courses are conducted by the heads of departments.

OTHER ADVANTAGES

Other privileges, which their connection with the University affords to pupils in the School are sight-reading, chorus-class training and lectures on history and other topics, relating to music, orchestral practice, ensemble classes, and prima vista reading piano classes. Admission to the university gymnasium and art rooms and the use of the university libraries and reading rooms are also available helps to students of music.

FEEES

Tuition varies with the instructors. A complete catalogue of the School of Music is sent upon application to the director.

THE AGRICULTURAL
EXPERIMENT STATION OF
NEBRASKA

THE NEBRASKA AGRICULTURAL EXPERIMENT STATION

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THE OFFICERS OF THE STATION

EDGAR ALBERT BURNETT, B. Sc.

Director and Animal Husbandman

THOMAS LYTTLETON LYON, PH. D.

Associate Director and Agriculturist

JAMES STUART DALES, M. Ph.

Financial Secretary*

WILLIAM WARNER MARSHALL

Executive Clerk

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ALBERT THEODORE PETERS, D. V. M.

Animal Pathologist

JAMES HARRISON GAIN, M. D. C.

Assistant Animal Pathologist

HOWARD REMUS SMITH, B. Sc.

Animal Husbandman

CHARLES EDWIN BESSEY, LL. D.

Botanist

SAMUEL AVERY, Ph. D.

Chemist

ARCHIBALD LOUIS HAECKER, B. Sc. A.

Dairy Husbandman

LAWRENCE BRUNER, B. Sc.

Entomologist

SENATOR WILLIS PERIN,

Farm Foreman

*By an act of the Legislature of the state of Nebraska, approved and in effect February 5, 1899, the state treasurer became *ex officio* custodian of the experimentation fund on and after July 1, 1899.

EDWIN HINCKLEY BARBOUR, Ph. D.
Geologist

ROLLINS ADAMS EMERSON, B. Sc.
Horticulturist

OSCAR VAN PELT, C. E.
Irrigation Engineer

GOODWIN DELOSS SWEZEY, A. M.
Meteorologist

W. P. SNYDER, M. S.
Superintendent Experimental Sub-Station, North Platte

GENERAL INFORMATION.

The Nebraska Agricultural Experiment Station carried on in connection with the University of Nebraska, is maintained from a fund appropriated by Congress. Under the provisions of the Hatch Bill, each state and territory that had established an agricultural college under the land grant act of 1862, was offered funds to establish, in connection therewith, an agricultural experiment station. Nebraska assented to the conditions and was one of the states to receive immediate benefits from the act.

The work contemplated by the law providing for these experiment stations is set forth as follows in Section 2 of the act establishing the station:

SECTION 2. That it shall be the object and duty of said experiment stations to conduct original researches or verify experiments on the physiology of plants and animals; the diseases to which they are severally subject, with the remedies for the same; the chemical composition of useful plants at their different stages of growth; the comparative advantages of rotative cropping as pursued under a varying series of crops; the capacity of new trees or plants for acclimation; the analysis of soils and water; the chemical composition of manures, natural or artificial

with experiments designed to test their comparative effects on crops of different kinds; the adaptation and value of grasses and forage plants; the composition and digestibility of the different kinds of food for domestic animals; the scientific and economic questions involved in the production of butter and cheese; and such other researches or experiments bearing directly on the agricultural industry of the United States as may in each case be deemed advisable, having due regard to the varying conditions and needs of the respective states and territories.

The experiment station is located partly at the University, mainly on the University Farm. The farm comprises a tract of three hundred and twenty acres near the University, any portion of which may be used for conducting experiments. About one hundred acres are now laid off in experiment plats for field crops, fruits and vegetables. The herds of cattle, sheep and hogs are also used for experiments. The Experiment Station building, located at the farm, contains the offices of the director, agriculturist, animal husbandman, and animal pathologist, and laboratories for investigation in soils, chemistry, and botany. The horticulturist and dairyman have each a building devoted exclusively to their department. A \$60,000 building is being erected at the farm to give additional facilities for instruction in the School of Agriculture.

The Experimental Substation provided for by the Legislature of 1903 has been located in Lincoln County, three miles south of North Platte, on a tract of 1920 acres. This farm contains 270 acres of bench land below an irrigation canal where it is expected some experiments in irrigation farming will be carried on, although for the present at least experiments in crop production are conducted very largely without irrigation. About 140 acres of this farm is level table land, with an elevation of nearly 3,000 feet. Tests of

crop production on this table will be comparable with nearly all the table-lands in central Nebraska.

Each year the station publishes at least four bulletins, written in popular form. These contain results of investigations in subjects pertaining to farming. They are sent free to anyone who requests them. The edition of each bulletin is 20,000 or more copies. An annual report, 2,500 copies, is published containing a summary of the work of the year and experimental results of interest to investigators.

The publications of the station issued since those reported in the last calendar are the following:

Bulletin No. 80 (Vol XVI, Art. I). Experiments in mulching garden vegetables. By R. A. Emerson. Distributed July 15, 1903.

Bulletin No. 81 (Vol. XVI, Art. II). Experiments in the culture of the sugar beet in Nebraska. (Sugar Beet Series No. XII). By T. L. Lyon and A. T. Wiancko. Distributed September 1, 1903.

Bulletin No. 82 (Vol. XVI, Art. III). Kherson oats By T. L. Lyon. Distributed March 7, 1904.

Bulletin No. 83 (Vol. XVI, Art. IV). Cooperative variety tests of corn in 1902 and 1903. By T. L. Lyon. Distributed April 21, 1904.

Bulletin No. 84 (Vol. XVI, Art. V). Pasture, meadow, and forage crops. Cooperative experiments with the United States Department of Agriculture. By T. L. Lyon and A. S. Hitchcock. Distributed June 1, 1904.

Seventeenth Annual Report. Presented to the governor February 1, 1904.

The experiment station desires to assist the farmers of the state in solving many of the difficult and perplexing problems that affect our agricultural production, and to this end is carrying on investigations along lines that aid the practical farmer. We invite the co-operation of all who are interested in the development of our agricultural resources.

DEGREES CONFERRED
AND DIRECTORY OF STUDENTS

DEGREES CONFERRED IN 1904

MID-WINTER COMMENCEMENT

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Charles Hugh Bryan
Lois Emelyn Caughey

Robert Anderson Hamill
Jessie Ruth Moore
Calvin Hill Taylor
Anna Mary Tibbets
Mabel Elizabeth West
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THE INDUSTRIAL COLLEGE

BACHELORS OF SCIENCE—4

Alfred Ellsworth Carter
Walter Garfield Hiltner

William Frank Holman
Margaret Varonica Maguire

THE GRADUATE SCHOOL

MASTERS OF ARTS—6

Christine Fossler, B.Sc.
William Roberts Jackson, A.B.
Elizabeth Kingsbury, A.B.

John Mills, A.B.
Lucius Seymour Storrs, B.Sc.
Joseph Allen Warren, B.Sc.

JUNE COMMENCEMENT

THE COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS

BACHELORS OF ARTS—126

Daisy Elsie Aitken
Charles Emory Barber
Arthur Frederick Becker
Clark E. Bell
Marian Cinderella Bell
Roy Bickford
Charles Theodore Borg
Winifred Anna Bortis
William James Bovee

Abba Willard Bowen
Harry Elwyn Bradford
Harriet Louise Brayton
Edward Maurice Briggs
Emory Roy Buckner
Laura Geneva Bullock
Nettie Laura Burlingame
William Robert Calvert
Edgar Christy

Mildred Fuller Clark
Rose Bertha Clark
Shiles Ernest Clark
Edith Lillian Craig
Neil Michael Cronin
Corris Mabel Damon
Margaret Estes Dawe
Mabel Alice Dayton
Bess Inez Dumont
Josephine Lucia Duras
May Grace Edholm
Newell James Elliott
Ethel Pearl Erford
Grace Alice Evans
Charles Arthur Exley
Minnie Sarah Farnsworth
Leonard A. Flansburg
Mary Esther Gardner
Else Gericke
Thomas Victor Goodrich
Lodema Gould
Guy Preston Greenwald
Dora Joy Grimm
Mary Louise Hamer
Anna Hammond
Mary Ethelwyn Hand
Philip John Harrison
Elizabeth Hawxby
Burton Russell Herrick
Louis Percy Hewitt
Claude Harrison Hinman
Emma Gertrude Hurley
Katherine Aurelia Hurley
Caroline Christine Johnson
Eleanor Moliere Johnson
Anna Gertrude Kenagy
Maria Bertha Kern
Lula Ellis King
Susan Adele Lathrop
Melinda Henrietta Leist
Burdette Gibson Lewis
Beulah Livesay
Arthur Jay Ludden
Kenneth Percy MacDonald
Margaret Amelia McEachron
Laura Ida McLaughlin
Carrie Pearl McVicker
Albert Frederick Magdanz
Patty Frances Matthews

Mary Katheryne Miller
Raman Albert Miller
Harriet M. Mitchell
Charles August Mohrman
Arthur Russell Moore
William Quinn Mouck
Arthur Independence Myers
Edwin Francis Myers
Louise Murray Palmer
William Dwight Pierce
Elsie Ford Piper
Jennie Louise Piper
Rachel Isabel Pollock
Emma Ruth Pyrtle
John Martin Raasch
Alfred Sylvan Redfern
Henrietta McKoon Rees
Samuel Rees
Addie Reynoldson
John Doherty Rice
John William Roberts
Edwin Norris Robertson
Lillian Beatrice Robison
Mary Elizabeth Roddy
Mabelle Alice Roper
Ira Ryner
LaDuskie Salter
Ida Edna Schaefer
Alice Katherine Schwertley
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Willis James Seeley
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Clyde Everett Shorey
Faye Percival Shumway
Eric Otto Siecke
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Helen Choate Streeter
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Anna Marsh VanZandt
Katherine Varuska
Frank Thomas Vasey
Cora Malvina Walker

Beatrice Asenath Walling
 John Westover
 Laura Ella Whaley
 Charles Lindon Whedon
 Laura Amanda White

Nellore Isabel Wilson
 Rose Louise Wirth
 Louise Woodruff
 Fred Raymond Wright
 Carrie Agnes Wurts

THE INDUSTRIAL COLLEGE

BACHELORS OF SCIENCE—30

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 Jay Brownlee Davidson
 John William Dickinson
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 George Elmer Farnsworth
 Leslie Newton Goodding
 Russell Stimpson Harris
 Agnes Runyon Herbert
 Linn Murdoch Huntington

Nathan Andrew Kemmish
 Alvin Keyser
 Robert Henry McReynolds
 Ralph John Mansfield
 Patricia Louise Naughtin
 Bernard A Newton
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 Victor Peterson
 Venus W Poole
 Fred J Pritchard
 Elsworth Lovejoy Redfern
 Orrington Thomas Swan
 Elwin Leroy Thomas
 Norton Ware
 Lucinda Pearl Youngers

THE COLLEGE OF LAW

BACHELORS OF LAW—66

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 George Milton Corlett
 Charles Frederick Cowan
 Charles Playford Craft
 Eugene Lewis Culver
 Edgar Franklin Davis
 Thomas Dexter Griffin
 Burt Griggs
 Claude R Hadley
 Marvin Lawrence Hart
 Roy Hazen
 Frederick John Heim
 Iraeneus Prime Hewitt
 Thomas Miner Hewitt

Edward D. Hodge
 Arthur Rankin Honnold
 Richard Clinton James
 Richard Burke Kirwin
 Charles Taylor Knapp
 Anton Henry Knutson
 Thomas Frank Konop
 William Larsh Kuser
 Edward James Lambe
 Louis Clarkford Lightner
 Brick Pomeroy McKelvey
 Joseph Carl McReynolds
 George Jefferson Marshall
 John Thomas Milek
 Ernest Franklin Monroe
 Fred Kenelm Nielsen
 James Francis O'Connor
 Walter Lew Owen
 Luther Oscar Pfeiffer
 Ralph Hubert Pryor
 Willis Aubrey Rankins

Samuel Rees
 Alva Remster
 Edward Everett Richards
 Fred Baxter Righter
 Fred Olin Salisbury
 William Reuben Sampson
 Charles Robinson Sargent
 George Edward Seybold
 Otho Ernest Shelburn
 Joseph Ralph Shields
 William Edgar Shuman
 Harry Leslie Smith

Harley Marion Smith
 Edgar Fudge Snavelly
 Robert Charles Strong
 Francis Ludwick Sward
 Joseph Earl Tanner
 Herbert Jeremiah Theobald
 Verne William Towne
 Edward Ellsworth Waltman
 Orlyn Dorphon Warner
 David E Watkins
 Herman Godfrey Wellensiek
 Frederick Lawrence Wolf

THE COLLEGE OF MEDICINE

DOCTORS OF MEDICINE—30

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 Smith W Bellinger
 John Frederick Bening
 Roscoe C Campbell
 Jay C Decker
 Roy Paxson Dempster
 Charles Daniel Eby
 James Archibald Edwards
 Frank Vernon Gates
 John Franklin Hart
 Warren Lee Hummer
 Frederick William Karrer
 Johnston Harper Kerr
 Ray Archibald Knode
 Hector McArthur

Jacob Edward Meisenbach
 Edwin Atkins Merritt
 Neil David Nelson
 Mark Alva Nye
 Robert Carpenter Panter
 James McDowell Patton
 Peter Marius Pederson
 Henry Gerhard Penner
 Louis Edward Penner
 Francis J Petr
 John Elry Prest, Jr.
 Thomas Edward Sample
 Albert Berry Stuart
 Isadore Simon Trostler
 Robert Boyden Underwood

THE GRADUATE SCHOOL

ELECTRICAL ENGINEER—1

Daniel Crosby Hall. B. Sc. in E. E.

MASTERS OF ARTS—19

Adeline Sarah Ames, B. Sc.
 Josephine Glenalvin Balsley, A. B.
 Oran Rishel Bowen, Ph. B.
 Mary Emily Davies, B. Sc.
 Susan Belle Dinsmore, A. B.
 Gustaf Waldemar Elmen, B. Sc.
 Irene Hamilton, A. B.
 Alma Sarah Hoscic, A. B.
 Edward Johnson, B. Sc.
 Genevieve Marsh, A. B.

Arthur Sperry Pearse, B. Sc.
 Bertha Emaline Pinkerton, A. B.
 Addison Ervin Sheldon, A. B.
 Zora Inez Shields, A. B.
 Caroline Effie Stringer, B. Sc.
 Peter Henry Thomson, A. B.
 Henry Robinson Tucker, A. B.
 Elmer Grant Woodruff, B. Sc.
 Warren Willis Woods, A. B.

DOCTORS OF PHILOSOPHY—2

Edith Schwartz Clements. A. B.

Frank Webster Smith, A. M.

STUDENTS

GRADUATE SCHOOL—107

CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

BARKER, FRANKLIN DAVIS.....	Lincoln
A.M., Ottawa University, 1900, Zoology	
BURKHARDT, JESSE BISCH.....	Charles City, Ia.
A.B., Hobert College, English Literature, German	
CLARK, ANDERSON WILLIAM.....	Omaha
A.M., Sociology and Economics	
CLEMENTS, EDITH SCHWARTZ.....	Lincoln
A.B. University of Nebraska, 1898, German, Geology	
DUNCANSON, HENRY BRUCE.....	Peru
B.Sc., University of Nebraska, 1890, A.M. 1894, Zoology, Geology	
HENSEL, ESTHER PEARL.....	Lincoln
B.Sc., University of Nebraska, 1901, Botany, Geology	
HILTON, DAVID CLARK.....	Bethany
A.B., University of Nebraska, 1900, A.M. 1902, Zoology, Botany	
HILTON, JOHN WILLIAM.....	Bethany
A.B., Cotner University 1898; A.M., University of Nebraska, 1903; Philosophy, English Literature	
HUNTER, ALICE C.	Lincoln
A.B., University of Nebraska, 1895; A.M., 1898; Latin, German	
PEARSON, PETER HENRY.....	Lindsborg, Kan.
University of Berlin, English, English Literature	
SHANTZ, HOMER LEROY.....	Colorado Springs, Colo.
B.Sc., Colorado University, Botany, Zoology.	
SMITH, FRANK WEBSTER	Lincoln
A.B., Harvard University, 1877; A.M., 1882; Education, Latin	

CANDIDATE FOR THE DEGREE OF ELECTRICAL ENGINEER

HALL, DANIEL CROSBY.....	Brooklyn, N. Y.
B.Sc. in E. E., University of Nebraska, 1898, Electrical Engineering	

CANDIDATE FOR THE DEGREE OF CIVIL ENGINEER

CHATBURN, GEORGE RICHARD Lincoln
 B.C.E., Iowa Agricultural College, Civil Engineering

CANDIDATES FOR THE DEGREE OF MASTER OF ARTS

ALLEN, MATTIE.....Westerville
 A.B., University of Nebraska, 1900, Education, Latin

AMES, ADELINE SARAH.....Normal
 B.Sc., University of Nebraska, 1903, Botany

AYLSWORTH, LEON EMMONSLincoln
 A.B., University of Nebraska, 1900, American History, European
 History, Political Economy

BALSLEY, JOSEPHINE GLENALVIN.....Genoa
 A.B., University of Nebraska, 1902, English Literature, German

BARBOUR, CARRIE ADELINE.....Lincoln
 B.Sc., Ohio College for Women, 1900, Geology, Zoology

BARNES, ALFRED KIMBALL.....Norfolk
 A.B., University of Nebraska, 1902, Philosophy, Jurisprudence

BOWEN, ORAN RISHEL.....Lincoln
 Ph.B., Nebraska Wesleyan University, 1900, Philosophy, Political
 Economy, and Sociology

CONGDON, ALLEN RAYWeeping Water
 B.Sc., University of Nebraska, 1899, Mathematics, Civil Engineering.

DAVIES, MARY EMILY.....Tecumseh
 B.Sc., South Dakota Agricultural College, 1902, American
 History, Philosophy

DINSMORE, SUSAN BELLE.....Hebron
 A.B., University of Nebraska, 1901, American History,
 European History

EGGE, MARGARET ELSIE.....Grand Island
 A.B., University of Nebraska, 1903, Germanics, English Literature.

ELLIS, INEZLincoln
 A. B., University of Nebraska, 1903; Germanics, English Literature

ELMEN, GUSTAVE WALDEMAR.....Lincoln
 B.Sc., University of Nebraska, 1902, Physics.

ENGLAND, MINNIE THROOP.....University Place
 B.Sc., Nebraska Wesleyan University, 1903, Economics and
 Sociology, Philosophy

- ENGLAND, WILLIAM HARRYUniversity Place
 A.B., Nebraska Wesleyan University, 1902, Philosophy
- FOSSLER, CHRISTINE.....Lincoln
 B.Sc., University of Nebraska, 1893, Education, Botany
- GLOVER, CLARA MABEL.....Gordon
 A.B., University of Nebraska, 1903, English
- GRIFFIN, ROSALIND HESS.....Lincoln
 A.B., University of Nebraska, 1901, English Literature
 Greek, Philosophy
- GRIFFITH, GEORGE PARMER... Pawnee City
 A.B., University of Nebraska, 1899, American History
- HAMILTON, IRENE.....Omaha
 A.B., University of Nebraska, 1903, Latin, American History
- HARTER, LEONARD L.....Odell
 A.B., University of Nebraska, 1903, Botany
- HOPKINS, MABLE KAYCrete
 A.B., Doane College, 1901, English, Romance Language
- HOSIC, ALMA SARAH.....Tecumseh
 A.B., University of Nebraska, 1896, English, German
- HOWELL, HARRIET ALICE.....Lincoln
 Ph.B., University of Washington, 1895; Emerson College of Oratory,
 Boston, Mass., 1899; English Literature
- HUGHES, WINIFRED BLANCHE.....Cozad
 A.B., University of Nebraska, 1900, English, English
 Literature, Education
- JACKSON, WILLIAM ROBERTS.....University Place
 A.B., University of Nebraska, 1902, Education, English
 Literature, Philosophy
- JOHNSON, EDWARD.....Toronto, S. D.
 B.Sc., South Dakota Agricultural College, 1902, American
 History, Economics and Sociology
- KOCH, CLARA MAY BARBARA.....LaGrange, Mo.
 A.B., University of Missouri, 1903, English, English Literature
- LINDBERG, JAMES CHRISTIAN.....Lincoln
 A.B., Doane College, 1899, Political Economy, Philosophy,
 English, English Literature

- LOOMIS, LUCINDA BILLSLincoln
A.B., University of Nebraska, 1903, European History
- MCPHEE, CLARE MARY.....Lincoln
A.B., University of Nebraska, 1902, Education, European History
- MARSH, GENEVIEVE.....Lincoln
A.B., Smith College, 1896, American History
- MILES, GEORGE F.....Madison
B.Sc., University of Nebraska, 1903, Botany
- MILLER, LOUISE.....Queen City, Mo
A.B., University of Nebraska, 1903, English, German
- MILLER, MAMIE.....Lincoln
B.Sc., University of Nebraska, 1901, Chemistry
- MILLS, JOHN.....Chicago, Ill.
A.B., University of Chicago, 1901, Physics
- O'GARA, PATRICK JOSEPH.....Laurel
B.Sc., University of Nebraska, 1902, Botany
- PEARSE, ARTHUR SPERRYOmaha
B.Sc. University of Nebraska, 1900, Zoology
- PINKERTON, BERTHA EMALINE.....Lincoln
A.B., University of Nebraska, 1896, American History
- SHELDON, ADDISON ERVIN.....Lincoln
A.B., University of Nebraska, 1902, American History
- SHIELDS, ZORA INEZ.....Omaha
A.B., University of Nebraska, 1902, German
- SLY, ELVA LORENA.....Pawnee City
A.B., University of Nebraska, 1903, German
- STORRS, LUCIUS SEYMOURSt. Paul, Minn.
B.Sc., University of Nebraska, 1890, Geology
- STRINGER, CAROLINE EFFIE.....Lincoln
B.Sc., University of Nebraska, 1902, Zoology
- THOMSON, PETER HENRY.....Minden
A.B., University of Nebraska, 1899, German
- TUCKER, HENRY ROBINSON.....Lincoln
A.B., University of Nebraska, 1899, American History
- WARREN, JOSEPH ALLENHarvard
B.Sc., University of Nebraska, 1898, Botany

- WOODRUFF, ELMER GRANT.....Weeping Water
B.Sc., University of Nebraska, 1901, Geology
- WOODS, WARREN WILLIS.....Lincoln
A.B., University of Nebraska, 1895, American History

OTHER GRADUATE STUDENTS

- BATES, SARAH GLAZIERLincoln
A. B. Vassar, 1868. A. M. 1872. European History,
Philosophy, German.
- BOWMAN, OSCAR RUFUS Lincoln
B. Sc. University of Nebraska, 1894, Education.
- BRIDGES, GRACE IRENE.....Lincoln
A. B. University of Nebraska, 1895, Greek.
- CANTRALL, CHARLES MCKEERaymond
A. B. College of Emporia, 1902. English, English Literature.
- CATLIN, CLIFFORD NORMAN.....Nemaha
A. B. University of Nebraska, 1903, Chemistry.
- CHAPPELL, RENA JANELincoln
A. B. University of Nebraska, 1901, American History
- CLARK, HERBERT ANTHONYLincoln
B. Sc. University of Kansas, Physics.
- CLARK, LUCY MAY..Tecumseh
A.B. University of Nebraska, 1903, Latin, Philosophy.
- DAVIES, SARA.....Tecumseh
A.B. South Dakota Agricultural College, Economics, American
History, Philosophy, Chemistry.
- DAVIS, MARGARET.....Lincoln
A.B. University of Nebraska, 1901, American History.
- DAVIS, MARY MYRTLE.....Pawnee City
A.B. University of Nebraska, 1902, English Literature, Latin.
- DRUSE, DOTT MLincoln
A.B. University of Nebraska, 1902, Botany, German,
Education, Latin, European History.
- ENSIGN, ALICE BAIRD.....Lincoln
A.B. University of Nebraska, 1903, Romance Language.
- FEE, ORVILLE JACKSON.....Fullerton
A.B. University of Nebraska, 1903, Geology, Civil Engineering.

- FOSSLER, MARGARET.....Lincoln
B.Sc. University of Nebraska, 1900, German.
- GLOVER, FLORENCE ALMAGordon
A.B. Tabor College, 1902, American History, Education.
- GOULD, DODA.....Fullerton
A.B. University of Nebraska, 1903, English Literature.
- HAGGARD, CARRIE IRENEYork
A.B. University of Nebraska, 1903, Geology.
- HAWES, ANNIELincoln
Union Christian College, Sociology.
- HELFEENSTINE, ANNA LOLALeGrand, Ia.
A.B. Palmer College, 1899, Greek, Latin.
- KERN, WALTER McCULLOUGH.....Columbus
A.B. University of Indiana, 1896, Education, Sociology.
- LONG, EDITH.....Lincoln
Cornell University, 1888, Mathematics.
- MCDOWELL, MILLARD ALLMORE.....Lincoln
Physics.
- MCGAHEY, FLORENCE IRWIN.....Lincoln
A.B. University of Nebraska, 1901, Botany.
- MERCER, ANDREW JACKSON.....Lincoln
A.B. Bethany College, West Va., 1877, A.M. 1887,
American History, Geology.
- MONTGOMERY, IDA MARGARETTATower City, N. D.
A.B. University of Nebraska, 1902, Philosophy, Greek.
- MORRELL, FREDERICK WALTER.....Palmyra
B.Sc. University of Nebraska, 1902, Chemistry, Geology,
English Literature, Sociology.
- MORRISON, HARVEY ARCHIE.....College View
B.S. Union College, 1900, Mathematics.
- MORSE, LEIGHTON B.....Grinnell, Ia.
Ph.B. Iowa College, 1903, Physics.
- PARK, FRED WEIMAR.....Lincoln
A.B. Drury College, Mo., 1898, European History,
American History.
- PARKS, MILDRED AMIA.....Lincoln
A.B. University of Nebraska, 1902, Chemistry.

- PFEIFFER, LAURA BELLE.....York
 A.B. University of Nebraska, 1897, European History,
 American History.
- POUND, OLIVIA.....Lincoln
 A.B. University of Nebraska, 1895, A.M. 1897,
 European History.
- RAY, CHARLES WAYNEAlliance
 A.B. DePauw University, Greek.
- SPEAR, GEORGE E.Lincoln
 B.Sc. University of Nebraska, 1900, M.D. 1903,
 Chemistry, Philosophy.
- STURDEVANT, LaZELLE BRANTLEYAtkinson
 A.B. University of Nebraska, 1902, B.Sc. 1903, Zoology.
- TAYLOR, IDA MAY.....Exeter
 A.B. University of Nebraska, 1901, German.
- TUTTLE, EMMA JEANLincoln
 A.B. University of Nebraska, 1898, Mathematics.
- WILLIAMS, HATTIE PLUMLincoln
 A.B. University of Nebraska, 1902, Entomology.
- WILLISFORD, EDWIN HELLABYLincoln
 A.B. Hillsdale College, Mich., B.D. 1898, A.M. 1899,
 Sociology and Political Economy.
- WILSON, CLAUDE STALEY.....Lincoln
 A.B. University of Nebraska, 1899, LL.B. 1901
 American History.
- WOODMAN, HANNAH REA.....Des Moines, Ia.
 A.M. University of Kansas, 1902, English Literature
 Sociology.
- WORT, JULIA MINOT.....Creighton
 A.B. University of Nebraska, 1896, Greek, European History.
- YAMASHITA, YASHICHIRO.....Tokyo, Japan
 A.B. Weseda College, Tokyo, Japan, 1897, American History.

COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

FOURTH YEAR—141

Aitken, Daisy Elsie	Greenwald, Guy Preston
Anderson, Lillie Alameda	Grimm, Dora Joy
Barber, Charles Emory	Haggard, Edith Lavina
Beattie, Mabelle Lillie	Hamer, Mary Louise
Becker, Arthur Frederick	Hamill, Robert Anderson
Bell, Marian Cinderella	Hammond, Anna
Bickford, Roy	Hand, Mary Ethelwyn
Black, Sherman Eugene	Harrison, Philip John
Borg Charles Theodore	Hawxby, Elizabeth
Bortis, Winifred Anna	Herrick, Burton Russell
Bovee, William James	Hewitt, Louis Percy
Bowen, Abba Willard	Hight, John Wallace
Bradford, Harry Elwyn	Hinman, Claude Harrison
Brayton, Harriet Louise	Hurley, Emma Gertrude
Bridge, Ernest Lee	Hurley, Katherine Aurelia
Briggs, Edwin Marvin	Johnson, Caroline Christine
Bryan, Charles Hugh	Johnson, Eleanor Moliere
Buckner, Emory Roy	Kenagy, Anna Gertrude
Bullock, Laura Geneva	Kern, Maria Bertha
Burlingame, Nettie Laura	King, Lula Ellis
Calvert, William Robert	Lathrop, Susan Adele
Caughey, Lois Emelyn	Leist, Malinda Henrietta
Christy, Edgar	Lewis, Burdette Gibson
Clark, Mildred Fuller	Livesay, Beulah
Clark, Rose Bertha	Ludden, Arthur Jay
Clark, Shiles Ernest	MacDonald, Kenneth Percy
Craig, Edith Lillian	McEachron, Margaret Amelia
Cronin, Neil Michael	McLaughlin, Laura Ida
Damon, Corris Mabel	McVicker, Carrie Pearl
Dawe, Magraret Estes	Magdanz, Albert Frederick
Dayton, Mabel Alice	Matthew, Patty Frances
Dickinson, Joseph	Miller, Mary Katheryne
Dumont, Bess Inez	Miller, Raman Albert
Duras, Josephine Lucia	Mitchell, Harriet M.
Edholm, May Grace	Mohrman, Charles Augustus
Elliott, Newell James	Moore, Arthur Russell
Elmgren, David Emmanuel	Moore, Jessie Ruth
Erford, Ethel Pearl	Mouck, William Quinn
Evans, Grace Alice	Myers, Arthur Independence
Exley, Charles Arthur	Myers, Edwin Francis
Farnsworth, Minnie Sarah	Palmer, Louise Murray
Flansburg, Leonard A.	Pierce, William Dwight
Gardner, Minnie Esther	Piper, Elsie Ford
Gericke, Else	Piper, Jennie Louise
Goodrich, Thomas Victor	Pollock, Rachel Isabelle
Gould, Lodema	Purviance, Percy

Pyrtle, Emma Ruth
 Raasch, Martin
 Redfern, Alfred Sylvan
 Rees, Henrietta McKoon
 Rees, Samuel
 Reynoldson, Addie
 Rice, John Doherty
 Roberts, John Williams
 Robertson, Edwin Norris
 Robison, Lillian Beatrice
 Roddy, Mary Elizabeth
 Roper, Mabelle Alice
 Ryner, Ira
 Salter, LaDuskie
 Schaefer, Ida Edna
 Schwertly, Alice Katherine
 Scott, Cora Hazel
 Seeley, William James
 Sheppard, Rua Lee
 Shinbur, Emma Ethel
 Shorey, Clyde Everett
 Shumway, Faye Percival
 Siecke, Eric Otto
 Smith, Warren Job
 Stanley, Emory Day

Stephen, Mabel Harriett
 Sterling, Katherin Grace
 Stevenson, Pearl
 Streeter, Helen Choate
 Taylor, Calvin Hill
 Tibbets, Anna Mary
 Townsend, Murray Edwin
 Tyner, Edward Price
 Unthank, Alice Gertrude
 VanZandt, Anna Marsh
 Varuska, Katherine
 Vasey, Frank Thomas
 Walker, Cora Malvina
 Walling, Beatrice Asenath
 West, Mabel Elizabeth
 Westover, John
 Whaley, Laura Ella
 Whedon, Charles Lindon
 White, Laura Amanda
 Wilson, Nellore Isabel
 Woodruff, Louise
 Wright, Fred Raymond
 Wurts, Carrie Agnes
 Yont, Etta

THIRD YEAR—114

Ballard, Fred
 Bankson, Henrietta
 Barnhart, Susan Mills
 Bell, Frances Louise
 Bender, John Rhinold
 Billing, Arthur William
 Bowers, Emily Katzenbach
 Brenizer, Elizabeth
 Brewster, Rose Blanche
 Brich, Abbie
 Brookings, Frank Colton
 Carney, Bertha
 Cassady, Ralph Sears
 Clark, John Levi
 Clark, Willard LeRoy
 Claussen, Anna Dorothy
 Cochran, Roy Edwin
 Cole, Viva Victoria
 Constancer, Julia Gregg
 Cooper, Eva Merle
 Corder, Annie Grace
 Cutter, Frances Elizabeth
 Daughters, Britannia R.

Daughters, Milo Reason
 Delatour, Eugene
 Diehl, Mabel Edith
 Dolan, Ollie Margaret
 Donelson, Florence Lauvina
 Driscoll, Dean
 Edwards, Odeth Branch
 Field, Edith Caroline
 Fleming, Margaret Jane
 Fleming, Thomas Nicholas
 Foster, Mary Eliza
 Foswell, Gertrude Harris
 Gibson, Eveline Frances
 Gilpin, Jonathan Delbert
 Gray, Bernice Ada
 Green, Dorothy
 Gregg, Hazel Marguerite
 Griffith, Olive
 Heacock, Elizabeth Thorne
 Hendricks, George Ernest
 Hoar, John William
 Holland, Edna Sarah
 Horning, Ticia Blanche

House, Nellie	Quaintance, Adaline May
Hunter, Frederic Maurice	Quinn, Clarence Elias
Jansa, Minnie Maud	Ray, Ralph
Jewell, Zella Eugene	Redington, Helen Dora
Jones, Lucy Josephine	Roosa, Angie
Kellogg, Roy Burdette	Rowan, Gertrude Norton
Keyser, Harry	Russell, Grace
Kiesselbach, Sophia Dorothea	Sargent, Grace Chester
Kimmel, Katharine Sarah	Sargent, Helen Mandana
King, Wilford Isbell	Schlesinger, Nella Gabrielle
Kinyon, Susie	Smith, Jane Sprott
Koch, Adele	Spears, Margaret Edna
Lane, Fletcher	States, Herbert James
Lanphear, Veda Lily	Stirling, Kittie Mabel
Luckey, Henry Carl	Stirling, Margaret Duncan
McCutchen, Margaret	Stone, Mabel Emma
McEachron, N. Allene	Sullivan, Florence Henry
Malott, Edgar	Sweeley, Fred Allen
Manrid, Inez Mae	Thomas, Hanna May
Marquardt, Ida Louisa	Timms, Lillian Florence
Marsh, Arthur Henry	Towne, Alice Christine
Marsh, Ethel Amelia	Vanderveer, Minnie Alma
Marshall, Bertha Florence	Walker, Mina Edith
Mixter, Esmer Myrtle	Walton, Charles Newton
Moore, Annie	Walton, Edwin Roger
Morrell, Emma Enid	Ward, Edyph Mason
Muir, Mabel	Webster, Edith Leonora
Nelson, Candis Jane	Whyman, Edith May
Nielsen, Anna Caroline	Wilburn, Carleton Chapin
Orton, Olive Inez	Wilson, Maude Emma
Pepperburg, Leon Joseph	Wood, Caroline Elizabeth
Peterson, Frank August	Woods, Martha Stone
Petrashek, Minnie Josephine	Woods, Willmer Joseph
Poston, Harry	Woodsmall, Ruth Frances

SECOND YEAR—208

Abbott, Lulu Florence	Barney, Marie Gertrude
Adams, Edward Browne	Bayard, Caroline E
Adams, Leta Emma	Bednar, Julia
Agnew, Sallie	Bedwell, Mary Eleanor
Anderson, Anna	Bell, Ruth Ellen
Anderson, Augusta	Bennett, Lillian Mae
Anderson, Frank Axel	Billing, Mary Ellen
Anderson, Lillian Eugenie	Blanchard, Jane May
Andra, Emma Margaret	Bothwell, Ella May
Archer, Flossie Caroline	Bracelen, Mary Margaret
Ball, Oscar James	Brach, Ena Charlotte
Barker, Percy Bonsfield	Brady, John David

Broady, Joyce
 Buchanan, Laura Finney
 Buckner, Minnie Katherine
 Bunce, Grace
 Bunt, Jane Alton
 Burt, Alice
 Butler, Edith Mary
 Campbell, Ralph Sylvester
 Case, Nina Augusta
 Canger, Maude Estelle
 Chappell, Jessie Alice
 Cheney, Gilbert Ward
 Chessington, Aura May
 Clark, John Davidson
 Clark, Nellie Elizabeth
 Cline, Martha
 Colby, Burton Enos
 Colwell, Ethel May
 Conkling, Harold W.
 Cook, Ada Ruth
 Coppock, Grace Lydia
 Corbet, Catherine Ellen
 Crabill, Ansil Burnett
 Davidson, John L.
 Davis Ellsworth Morris
 Davis, Eunice
 Davis, Nora Monterey
 Dellecker, Zola Nancy
 Denny, Frank Earl
 Deweese, Julia Blanche
 Dildine, Harry Augustus
 Dolson, Helen Merrill
 Douglas, Mai Field
 Elledge, Grace May
 Emerson, Maud Effie
 Erickson, Alma Dorothea
 Ernst, Flora Grace
 Essex, Susie Etta
 Everett, Inis
 Ewing, Paul Albert
 Ferguson, Sarah Jane
 Fisher, Mabel Sarah
 Fossler, Mabel
 Foster, Kate
 Fricke, Lena Wilhelmina
 Gilbert, David Bennett
 Gittings, Ina
 Glick, Helen
 Gordon, Tobie Agnes

Gourlay, Edith
 Grimm, Joseph Lee
 Grubb, George Albert
 Guthrie, Edwin Ray
 Gutleben, Christian Theophil
 Hamilton, Lillian May
 Hanlen, John Greer Leroy
 Hannah, Margaret Louise
 Hansen, Scena
 Hargreaves, Gladys Rose
 Harris, Mabel
 Hartigan, Gilmore
 Hartley, Carl Pierce
 Haskell, Charlotte Laura
 Hatcher, Claudia Belle
 Haynes, Ethel
 Heacock, Kate May
 Hedges, Mabel Maude
 Heinke, George Henry
 Hill, Robert Roy
 Hirst, Florence Josephine
 Holman Ethel Fred
 Hooper, Retta Florence
 Howard, Bertha Mabel
 Hunt, John Homer
 Hunter, Grace Elizabeth
 Huntington, Florence Helen
 Hutton, Harriet Lucile
 Hutton, Thomas Andrew
 Jackson, James Sthrashley
 Johnson, Blanche Taylor
 Kelley, James Madison
 Kelly, Margaret Marie
 Kennedy, Nellie May
 King, Edna Browning
 Klein, Ethel
 Knutzen, Julia Pernella
 Korner, Gertrude Fern
 Landis, Edith Sallie
 Langevin, Charles Victor
 Lansing, Luella Amelia
 Lapp, J Leota
 Lee, Vivian Sylvia
 Legro, Leo Stanley
 Lesh, William Walter
 Long, Jacob Melvin
 Long, Stella Ethel
 Losch, Lulu
 Lowe, Iva Jane

Ludden, Carrie E.
 Lumry, Katherine Nettie
 McCune, Julia Emily
 McKay, Utie Claire
 McLucas, Margaret
 McOmber, Isabel Swobe
 Marvin, Earl Morton
 Mather, Orion Albert
 Mathewson, Charles Meredith
 Meeker, Lena Blanche
 Metzger, Amelia Ida
 Meyer, Leah Louise
 Miller, Emma May
 Miller, John Holdman
 Miller, Nellie Gilbert
 Moore, Emily Gertrude
 Morgan, Effie Leona
 Nickerson, Agnes Eleanor
 O'Connell, Ethel
 Orlofsky, Anna
 Paine, Sarah Elizabeth
 Pillsbury, Marguerite B.
 Pope, Ethel Elma
 Porter, Margaret Edla
 Price, Harriet Trevett
 Prichard, George Winthrop
 Purcell, Charles Henry
 Rademacher, Gertrude Clara
 Ramsey, Will Crites
 Rhea, Nella Mae
 Robbins, Edith Lillian
 Robertson, William
 Roper, Grace Candac
 Sawyer, Charles Abbott
 Schmidt, Clara Hulda
 Schreiber, Emma Estelle
 Schwartz, Elsie Emma
 Scofield, Ruth Marcia
 Scott, Birdie Grace
 Scribner, Arthur Hall
 Searle, Ralph Homer
 Shallenberger, Martin Conrad
 Sherdeman, Eva Florine

Sherman, Winifred Speranza
 Show, John Harry
 Slater, Mildred Mary
 Smith, Lora Amanda
 Smith, Ralph C.
 Spafford, Erma Leona Rahlston
 Spafford, Lynne H.
 Spears, Alice Rebecca
 Staats, Etta Pearle
 States, Olive
 Stearns, Mary Louise
 Stebbins, Millicent
 Stetter, Leta H.
 Steven, Clara Bell
 Stevenson, Elsie Bearl
 Swenk, Myron Harman
 Syford, Lester Corwin
 Thompson, Ruth M.
 Totton, Agatha Welthy
 Travis, Helen E.
 Tunison, George McGregor
 Waldron, Clement Leverne
 Wallace, Charles Frank
 Wallace, Mary Beth
 Weaver, Karl Daniel
 Westcott, Florence Elizabeth
 Wharton, Henry John
 Wheeler, Mason
 Whelan, William
 Whipky, Mame
 Whipple, Helen Mabel
 White, Roy
 Whittier, Bernice
 Wiles, James Leslie
 Williams, Frank
 Wilson, Clyde Clifford
 Wilson, John Ambrose
 Wilson, Ruth Mary
 Witte, Edward Lewis
 Wolfenbarger, Ethel Goodrich
 Woodring, Jennie Lee
 Zimmerer, Edwin Chester Arthur
 Zook, Loren John

FIRST YEAR—252

Adams, Elsie Hattie
 Adams, Percy
 Adams, Willa Letitia
 Agee, Alice Wilson

Agee, Anna Luella
 Allen, Arabella Eva
 Allen, Willa Cartha
 Anderson, Helen Wilson

Anderson, Burton Alvedion
 Andrews, Eleanor Roberta
 Arends, Walter Herman
 Armstead, Herbert Benton
 Aron, Albert William
 Ashley, Mabel Alice
 Augustus, Ralph
 Auld, Alice Alwilda
 Bacon, Alice
 Baird, Herbert Willis
 Baird, Raymond Prescott
 Ballard, Daisy
 Ballard, Pansy
 Bardwell, May Noble
 Barker, Ollie May
 Barton, Jessie Dora
 Bates, Arthur Clay
 Beardsley, Fannie Adah
 Bednar, James Edmund
 Bengtson, Emma Marie
 Bennett, Frank Leroy
 Bernstein, Sadie
 Birchall, Sara Hamilton
 Bishop, Denis Clyde
 Bockes, Thomas Willis
 Bodley, Sara Janet
 Boehmer, Edward Christian
 Bohrer, Bessie S.
 Bohrer, Charles Homer
 Bohrer, Irene Constance
 Boose, Etta June
 Bordner, Evan Guy
 Brace, Louise Kingsley
 Bratt, Frances
 Brewster, Imogene
 Bridge, Helen Margaret
 Briggs, Florah May
 Brookings, Mary
 Brubaker, Harvey Austin
 Buck, Pearl Marguerite
 Busfield, Jessie Beane
 Butler, Paul Revere
 Caillet, Clyde Curtis
 Campbell, Charles William
 Carney, Samuel Gray
 Casey, Evangeline Anne
 Charlton, William A.
 Clark, Beatrice Virginia
 Clark, Ethel Cecelia

Clark, Floyd Milton
 Clark, Rita Sally
 Cole, Edna Ellen
 Cole, Lillian Belle
 Conger, Amy
 Cornelius, Milton Eugene
 Coryell, William Harlan
 Cosner, Pearl
 Cotton, Charles Edgar
 Cowan, Lena
 Crago, Alfred
 Craig, Hugh Wise
 Cramer, Mabel
 Curran, John Cleveland
 Damon, Edna Lucy
 Davis, Alice
 Davis, Ellery Lathrop
 Davis, Joyce
 DeCou, Robert Austin
 DeVore Minnie Mary
 Domingo, Ellen Louise
 Dort, Charles Lloyd
 Dovey, Claire Jane
 Doyle, Jessie Agnes
 Eames, Edith Rexford
 Eastman, Cynthia Louise
 Eatough, Katherine Louise
 Edmunds, Raymond Swezey
 Erford, Flossy D.
 Etting, Alma Christina
 Farrell, Maude Edna
 Field, Allen Wescot
 Field, Georgia Baldwin
 Finlay, Goldena Delores
 Fitzgerald, Pearl
 Frazier, Josie Pearl
 Frerichs, Herman W.
 Gatzmeyer, Otto Joseph
 Gericke, Martha
 Gibbons, Richard Michael
 Gibson, Katherine Emily
 Goodrich, Mary Irene
 Graves, Fannie Louise
 Haddox, Elbert Ray
 Hadley, Marcia Jean
 Hall, Mary Camille
 Hanley, Fred R.
 Hanlon, Emmaline Mary
 Harris, Celia Ellen

Hassler, Otis Wakefield
Hawkins, Florence Deane
Hazlewood, Mildred
Hempel, Loreine Anna
Henderson, Bertha
Hendry, Helen
Hensel, Elsie J.
Herpolsheimer, Robert
Hickel, Ralph Dee
Higgins, Leslie Allan
Hildreth, Beulah
Hoefer, Anna Carolina
Hoel, Faith Lee
Hollingworth, Harry Levi
Hoppe, Alvina Pauline
Howard, Leo Pearl
Hudson, Vinda
Hussong, Louis Aaron
Husted, Ella
Hyde, Hazel Hortense
Irwin, Violet Gertrude
James, Matilda Otis
Jameson, Mary Alma
Jenne, Ralph Horace
Jennings, Mrs. Addie Lyman
Jensen, Val
Jessen, Rubie Maudie
Johnson, Bernhardina
Jones, Audrey Leila
Kannon, Amanda Charlotte
Kauffman, Myrtle
Kerns, Maria Lillian
Kerr, Dundy Alexander
Keyes, Chester Guy
Kiesselbach, Theodore Alexander
Kneisel, Nora Louise
Kotouc, Otto
Krajicek, Stanley
Lantry, Laura May
Lauson, Grace Letitia
Leahy, Helen Margaret
Lee, Dessie May
Lee, Montrose Lucius
Levy, Albert Melvin
Lewis, Georgia Grace
Linderman, Kathleen Lorraine
Lindquest, Elmer Luther
Long, Lucile
Lorimer, Frank McClenahan

Love, Roma Louise
Lyle, Anna Janet
McCaig, Mary Irene
McCaw, Raymond Henry
McCormick, Myrtle Frost
McLaughlin, Edward Patrick
McWhinney, Clyde Calder
Maher, Thomas William
Marvin, Fern Lucile
Matthiesen, Meta Catherine
Mellick, Amy Almedia
Melick, Harry Hastings
Miles, Stephen Boyd
Miller, Alice
Miller, Charles Clayton
Miller, Gertrude
Mogan, Gerhard John
Moore, Cleone
Morgan, Kelso Albert
Morgan, Mary Warren
Morrell, Minnie Maurita
Morris, Frances Louise
Mosher, Jessie
Moss, Roy Lewis
Mueller, Hattie Minnie
Myers, Eda Bernice
Nash, Lucile Geneva
Naylor, Elizabeth Mary
Needham, Daisy Jeanette
Nye, Alfred Leo
O'Connor, Bessie Kathryn
O'Meara, Ellen
Orcutt, Joseph Chaddock
Osborne, Rena
Pagels, Anna Charlotte
Parkinson, Anne Elizabeth
Pepoon, Mabel
Petersen, Nels Frederick
Pierce, Cora Alice
Pierce, Roy Clifford
Pipal, Frank John
Pollard, Julian Addison
Post, Mildred Claire
Potter, Bertha Belle
Prentice, Philip Boynton
Purcell, John Ralph
Rader, Maude Josephine
Rainbow, William Charles
Randall, Ethel Elizabeth

Reynolds, Beatrice Bartlett
 Richards, Margie
 Ring Penelope Patch
 Ritterbush, Winifred Oakford
 Robertson, Jessie M.
 Roman, Lillian Vivian
 Scarborough, Ray James
 Schneider, Etta May
 Scott, Joseph Alfred
 Searle, Albert Addison
 Smith, Bessie
 Smith, Frank Parmelee
 Smoyer, Nellie Adelaide
 Soehl, Fred Herman
 Southwick, Lola Josephine
 Speidell, Louise Augusta
 Stein, Carl Albert
 Stevenson, Nellie
 Stewart, Abbie Gross
 Stewart, Charles Hardy
 Stewart, Frank Alexander
 Stratton, Myrtle
 Sunderland, Roy
 Swan, Alfred Helmer

Swezey, Minnie
 Temple, Guy Allen
 Theobald, Monte Josephine
 Thomas, Lillian M.
 Tibbets, Raymond Marsh
 Trueblood, Jenny Lind
 Tuttle, Joanna Kathleen
 VanHorne, Lucy Grace
 Vizzard, Ella
 Vizzard, William James
 Walrath, Clarence Earl
 Warnock, Elsie
 Warren, Harry
 Whipkey, Mary Edith
 Whipple, Ruth Elizabeth
 Williams, Mabel
 Williams, Mary Agnes
 Wilson, Helen
 Wiltse, Erle K.
 Withey, Donna Lavonne
 Wolf, Albert Emil
 Wolf, Fred Adolph
 Woods, Elizabeth Margaret
 Woods, Flora Yates
 Young, Mary Clara

CONDITIONED FIRST YEAR—38

Bates, Ruth Mary
 Beale, Ralph Marshall
 Bennett, Gaylord Granville
 Benny, Clarence Roy
 Bevins, Cynthia Verna
 Biddlecombe, Fannie Louise
 Biggs, Raymond Albert
 Bonekemper, Wilhelm Bridges
 Bridenbaugh, Nellie
 Bulta, Frank Chesterfield
 Carpenter, Gilbert Elmo
 Copeland, Oren Sturman
 Denny, Glaideth Gainever
 DeYoung, Dirk P
 Drain, Dale David
 Edgerton, James Edgar
 Edgren, Arthur
 Folts, Louis Carey
 Foster, Cecelia Agnes

Hanley, Minnie Ellen
 Hazlewood, Anita
 Jeep, Victor I
 Jones, William Morrow Beach
 Landis, Gladys May
 Matthiesen, Bertha Christine
 Myers, Herbert Greenleaf
 Neely, Henry Fay
 Nicholson, Rachel Lloyd
 Paul, Laurence Addison
 Penfield, Nathaniel Louis
 Peterson, Ann Augusta
 Pollard, Julian J
 Post, Herbert Wilson
 Reid, James Augustus
 Sutton, Frank Everett
 Talbot, Clifton Dale
 Wagoner, Arthur Lee
 Westover, Joseph L.

UNCLASSED—195

Adams, Lelia
 Albright, Beulah

Allen, Emily Newell
 Anderson, Wm. Ambrose

- Ames, Gratia
Baker, Ruth Quinlin
Bardwell, Edith Harriet
Barns, Viola Florence
Beale, Zella Kirk
Benedict, Mrs. Olin M. Wheatin
Beresford, Euphemia Melissa
Bishop, Edward Charles
Blake, Carroll
Bridenbaugh, Bertha
Brigham, Marian Edna
Brown, Bertha May
Brown, Charles S.
Brown, Mamie Ellen
Burnham, Louise
Burrows, Margaret
Bush, Pauline Elvira
Butler, Thomas J
Canning, Nannie
Carns, Rachael Florence
Clark, Grace Agnes
Coburn, Myrtle Raper
Courtney, Irene Geraldine
Craig, Mary Haynes
Crosby, Mrs. Clara Keller
Culver, Fred Davison
Dennis, Margaret Clara
Dewell, Seba
Dilworth, Maud A.
Doubrava, Ethel May
Dunlay, Robert
Duna, Iva Maud
Dunn, Sara Elizabeth
Durbin, Florence
Duval, Clara May
Eaton, Edna Grace
Eisenman, Louise Wilhelmina
Emerson, Anna
Ewalt, Magnolia Elizabeth
Fisher, Clara Lucretia
Fossler, Lois Beatrice
Foster, Fred Charles
Gabel, Alice Hermine
Gaiser, Mrs. Nora Hanna
Geeting, Fannie Mary
Gleason, Clyde Stoddard
Golden, John Parnell
Green, Bertha Louise
Greene, Sarah Virginia
Greves, Grace
Gunnison, Mae Anna
Hacker, Edith
Haggard, Amy E.
Hainer, Julia
Hainer, Laura
Hamilton, Sara
Hammel, Floyd J
Hardy, Cora Belle
Harpham, Edna May
Hart, Harriet
Harvey, Glenn Andrew
Harwood, Nathalie Dorrance
Hassett, Altha Elizabeth
Heilman, John Robbin
Hersh, Mrs. B. F.
Hinman, Maude Anne
Hoberg, Minnie Augusta
Hoker, Stella
Holden, Thomas Kennard
Hollingworth, Bessie Mahala
Holmes, Ruth Vashta
Horney, William Hackney
Howard, Clara Louise
Howland, Anna Linnel
Huse, Helen Mildred
Jackson, Alice Carey
Jackson, Mabel
Jeffrey, Mary Louise
Jones, Annie Elizabeth
Joyce, Frank
Kendrick, Marcia Philancy
Kilgore, Gaylord Vincent
Kimball, Willard Perkins
Kind, Mrs. Josephine D. Lottridge
Kreidler, Lena M.
Kreidler, Mamie
Krikorian, Karekin Karnik
Lahr, Albert Leroy
Lally, Eleanor
Lansing, Jessie
Lawson, Albert Bruce
Leisy, Irwin O.
Lorimer, Morrison Wallace
Lumry, Bessie Myra
McCarl, Ida Mae
McClay, Fay Inez
McClintick, Fern Isabella
McClintick, Una Elouise

McGeachin, Jean Whiteman
 McKinnon, Mary Elizabeth
 Manahan, James
 Marquardt, Minnie Mary
 Martin, Zota
 Melick, Emma Priscilla
 Mengedoht, Elsie
 Merrill, Lena
 Merritt, Mrs. Nina A.
 Messmore, Elizabeth
 Mitchell, Elizabeth Eleanor
 Mitchell, Joseph Clark
 Morrison, Estelle Rees
 Mudra, Will
 Mussetter, Martha Grace
 Neumann, Gustave Adolph
 Norval, Ethel
 O'Connell, Mrs. Ethyle Mandane
 Palmer, Ellen Jeannette
 Park, Mrs. Estelle B.
 Parmalee, Bessie May
 Pearson, Anna
 Pentzer, Jennie Blackburn
 Pickup, Mrs. Nellie Buncher
 Pierce, Etta Virginia
 Piper, Helen Moria
 Porter, Adeline May
 Price, Mary Gertrude
 Price, Ruth Amelia
 Prout, Vera Julia
 Rands, Sarah Jane
 Raymond, Donald Augustus
 Raymond, Ruth Baird
 Reynolds, Mrs. Lillie Ethel
 Rieth, Pauline Katherine
 Riseley, Ina Edith Fay
 Roberts, Edith Terne
 Roediger, Elsie Louise
 Rogers, Mary Blanche
 Rudge, Mrs. Caroline Stewart
 Ryan, Francis Griggs
 Sain, Mrs. Lida Elizabeth
 Saults, Louise
 Scott, Effie Leese
 Selby, Bertha May
 Severin, Albert August
 Sherman, Nancy Moore

Shotwell, Elizabeth May
 Slocum, Carrie H.
 Snyder, Bessie Fae
 Speier, Rose
 Sprague, Elizabeth Mary
 Steiner, Eunice
 Stewart, Viola
 Stiles, Mrs. Jessie Lincoln
 Stuart, Rosalie
 Sullivan, Mabel
 Sumner, Lulu Tracy
 Sunderlin, Chas. Algernon
 Swezey, Emma Josephine
 Talbot, Emma Lavina
 Talbot, Minnie Merle
 Thomas, John Willard
 Thompson, Hilma
 Tinkham, Guy Linn
 Towne, Harriet Estella
 Tulleys, Charles Wesley
 Updike, Robert Browning
 Vanderslice, Bertha Elizabeth
 Van Middleworth, Edith
 Vavra, Charles
 Walker, Bertha Ernestine
 Walker, Fred Gail
 Walker, Retta May
 Wallace, Mrs. Hulda Berggren
 Walsh, Mrs. Vine Gahan
 Ware, Ellen
 Warner, Creta
 Warner, Myra
 Watkins, Margery
 Watkins, May
 Waugh, Helen Mildred
 Wilkinson, Mrs. Richard
 Willard, Marguerite Lutheda
 Wiltamuth, Bertha Cornelia
 Withers, George A.
 Wolfe, Ada
 Wolfe, Maude
 Woodsmall, Mary Helen
 Woodsum, Lucy Blanche
 Yont, Lily
 Zieger, Louise G.
 Zwonechek, Anna

INDUSTRIAL COLLEGE

FOURTH YEAR—38

Athen, Nellie Olin
Baxter, Norman McLeod
Bell, Clark E.
Bliss, Vergil Conner
Brich, Frank Joseph
Brown, George Fitch
Carter, Alfred Ellsworth
Chase, Leon Wilson
Crouch, Howison
Davidson, Jay Brownlee
Dickinson, John William
Edwards, Hugh Robert
Farnsworth, George Elmer
Geer, Francis Howard
Goodding, Leslie Newton
Green, Jarnes Arleigh
Harris, Russell Stimpson
Herbert, Agnes Runyon
Hiltner, Walter Garfield

Holman, William Frank
Huntington, Linn Murdoch
Kemmish, Nathan Andrew
Keyser, Alvin
McReynolds, Robert Henry
Maguire, Margaret Veronica
Mansfield, Ralph John
Meeker, Mary Beatrix
Naughtin, Patricia Louise
Newton, Bernard A.
Noyes, Robert Edgar
Peterson, Victor
Pool, Venus W.
Pritchard, Fred J.
Redfern, Ellsworth Lovejoy
Swan, Orrington Thomas
Thomas, Elwin Leroy
Ware, Norton
Youngers, Lucinda Pearl

THIRD YEAR—54

d'Allemand, Benoit Rutherford
Allen, John Franklin
Anderson, Edward Emil
Anderson, Frederick
Bates, George Whitney
Bay, Herbert Whitehouse
Beers, Frank Russell
Boostrom, Emil August
Brady, Reed Gass
Brockway, Paul Lemon
Brown, Mortimer Jay
Buis, John
Burt, Roy Clark
Clark, Ben Maurice
Clark, Ira Joseph
Coats, Albert James
Cornell, Clare Brown
Corr, Ray Thomas
Cutshall, Lewis Alexander
Davis, Elmer Orville
Day, Warren French
Fawcett, George Lorenzo
Gibbs, Jesse Berthold
Hanna, Leo Gregory

Harris, Mary Turner
Harrison, Paul Wilberforce
Hartzell, Walter Lewers
Henry, Julius Edward
Holmes, John Campbell
Hyde, John Fay
Johnston, Eldon Thomas
Keyser, Val
Koch, Arthur William F.
McNamara, Charles John
Melick, Charles Wesley
Miller, John William
Mills, David L.
Paine, Andrew Everett
Parker, Harry Theodore
Payne, Charles Kenneth
Prichard, George Winthrop
Rivett, Harry Logan
Sheldon, Lucian Abler
Simon, Charles Noble
Stanley, Emory Day
Stockton, Frank S.
Timmerman, Ona Herbert
Towne, Ralph Ezra

Turner, Leonard Whittier
 Venters, Alice
 Walker, George Heman

Warren, Horace Prettyman
 White, Robert Holdrege
 Willis, Jessie Tournay

SECOND YEAR—106

Akerlund, Fritz Rudolph
 Anderson, Sten Torgney
 Battan, Roy
 Benedict, Maurice Abbott
 Bohannon, Clifford Lyman
 Bolles, Charles Milton
 Brigham, Erle Winfield
 Burg, Robert Andrew
 Burke, Charles Rogy
 Burr, William Wesley
 Carson, Glen Irvin
 Case, Montgomery Babcock
 Charlton, Albert Tutton
 Chessington, James Buell
 Christie, Ralph Conklin
 Cole, Cyrus Lester
 Collings, Edward Zanes
 Costelloe, Martin Francis Paul
 Crites, Edwin Darling
 Davies, George Stanley
 Davis, Clyde Lindsly
 Dill, Bertice Ivan
 Dumont, Raymond Ebersola
 Dworak, Chauncey Walter
 Dye, Ira Willard
 Eccles, Grace
 Eccles, William Raymond
 Ellis, Oscar Asbury
 Fairman, Fred Filo
 Farnsworth, Salina Esther
 Fenlon, John Arthur
 Frazier, Bayard Rhodes
 Friedman, Samuel
 Golder, Lucy May
 Gore, Roscoe Clair
 Green, William Dator
 Hagensick, Edmund Herbert
 Hamilton, William Garfield
 Hartley, Harry Kilpatrick
 Harvey, Albert Lee
 Hastie, Arthur Garfield
 Heath, Walter Fred
 Hedges, Mabel Maude
 Heimrod, Albert Adolph

Hershey, John Logan
 Hibner, Aldis Everard
 Hrubesky, Chauncey Golden
 Hubbard, Earl Clinton
 Hurlbut, Henry Salmon Gould
 Johnson, Clarence Anthony
 Kile, Roy David
 King, Benjamin Kenelm
 Krake, Leigh Seward
 Kretsinger, Story Otto
 Kryder, John Frederick
 Lambert, Schuyler Colfax
 Laufer, Myrtle Emma Arminta
 Long, Frances Louise
 Loomis, Edward Backus
 McCallum, Herbert Boice
 McDowell, Clyde Cavour
 McLennan, Donald Kenneth
 McReynolds, Nannie Virginia
 Martin, Homer Van Dyne
 Martin, Margaret
 Mielenz, Arthur Henry
 Milliken, Lyle David
 Montgomery, Edward Gerrard
 Moore, John Clyde
 Morrow, Frank Henry
 Morse, Clarence Leslie
 Nilsson, Henry Oscar
 Pearson, Gustaf Adolph
 Pollock, John Donald
 Posey, William Arthur
 Pugsley, Charles W.
 Quillin, William Edward
 Raber, Lester Hale
 Richard, Alice Luella
 Richards, Benjamin John
 Rinker, Casper Lucas Abel
 Roberts, Charles Whitson
 Roberts, Harry William
 Rohrer, Burton Floyd
 Rubendall, Clarence
 Sampson, Arthur William
 Saxton, Elmer Elvin
 Schreiber, Arthur Garfield

Sidwell, Lawrence Tweedy
 Sisson, Robert J.
 Skeen, Earl Donovan
 Smiley, Byron George
 Steen, Clarence Guy
 Stevens, John Cyprian
 Stevenson, Otto Frederick
 Stone, Roland E.
 Thompson, Irwin Levi

Thompson, Robert Henry
 Upton, Fred Wilbert
 Wellensiek, Adolph Herman
 Wenstrand, Ralph Theodore
 White, Earl Emmette
 Wilson, George Samuel
 Winchester, Dean Eddy
 Woodford, Henry Lane
 Zavodsky, Joseph

FIRST YEAR—188

Abbott, Myron Dates
 Abel George Philip
 Anderson, Amanda Elvira
 Anderson, James, Jr.
 Anthes, Paul Jacob
 Bates, Carlos Glazier
 Bates, Ross Waldo
 Baughn, Glenn Norman
 Beatty, Albert Edward
 Beckman, Alfred William
 Belden, Chester Logan
 Blackstone, Harry C.
 Blanchard, William Hewitt
 Bockes, George E.
 Bollard, Donald Chamberlain
 Bowman, Elmer Kenneth
 Brewster, Paul Raymond
 Brown, Edwin Harrison
 Brown, Fred Martin
 Browne, Clifford Willis
 Buchan, Alice Arlene
 Caley, Jesse R.
 Calhoun, Roy Spearman
 Campbell, George Alexander
 Carnes, Foss DePaw
 Carpenter, Ray Augustus
 Cattle, Frederick Gordon
 Ciochon, Charles Stanislaw
 Coale, Walter Bedell
 Conley, Scott Leo
 Cramb, Arthur Benjamin
 Cramer, Dwight Lewis
 Crawford, Hubert Morton
 Crooks, Roy Burt
 Crowley, Edward Xavier
 Currier, Henry Charles
 Curtis, Charles Edwin
 Davidson, James

Denslow, Lloyd
 Dobson, William Henry
 Dorrington, John William
 Downes, Nate Worsure
 Drake, Edwin David
 Duer, Charles Bedford
 Dunham, Sydney
 Dunn, Cooper Morrison
 Dwyer, Roy Clark
 Early, John W.
 Elmendorf, George Frank
 Farley, Louis
 Ferguson, George Henry
 Findley, Ray Hansen
 Flake, William Edward
 Flansburg, Harry Ernest
 Fletcher, Raymond Garland
 Foster, Harold Oscar
 Frankforter, Clarence Jackson
 Gates, Cecil Clark
 Goldman, Solomon
 Gould, Victor Raymond
 Graham, Herbert Eldon
 Gramlich, Ralph Clifford
 Griffith, John Lawrence
 Guseker, Leonard Frederick
 Hardy, Arthur Shereburne
 Havens, James Henry
 Hayman, Stephen Alcinous
 Hazlewood, Arthur John
 Hedelund, Albert
 Henney, William Henry
 Herman, Adolph
 Herman, John A.
 Hewit, George Linus
 Hill, Charles Clifford
 Hill, Raymond Caselle
 Hoff, John Christopher

- Hoschoner, George Sexton
 Hospers, Jacob Christian
 Hughes, Clarence William
 Hult, Oscar Nathaniel
 Humphrey, Clarence John
 Hutton, John L.
 Ivins, Richard Lynn
 Jackson, John Barnett
 Jay, Laurence
 Jenkins, William Gibson
 Johnson, Clarence Gardiner
 Johnson, Oscar
 Johnson, Frank Martin
 Jones, Isaac Benson
 Jones, Paul Robert
 Kendall, Valerius Horatio
 Kennedy, James Royce
 Kerr, Merritt Milton
 Klingerman, P. Lester
 Kragh, Neils
 Lacey, Clyde Ernest
 Lapp, Henry Dean
 Leach, Frank Fenton
 Lee, George Ernest
 Leech, Hiram
 Lindly, Wray Alden
 Ling, Percy Roys
 Littel, Charles Lester
 Logan, George Ray
 Longman, Edward Harvey
 Losch, Glen Constantine
 Lott, Anton Lyman
 Lute, Anna Maude
 McComb, Harold Edgar
 McElroy, Charles Cooper
 McNicol, John
 McWilliams, Cloyd Charles
 Mallat, Otto
 Mann, Howard Calvin
 Mantor, Harry Lyman
 Marsh, Earle Millard
 Martyn, Homer Van Dyne
 Mason, Cyrus Pollock
 Maxwell, Samuel
 Mead, Arthur Elting
 Mercer, William Cowan
 Meyer, Charles Louis
 Meyer, Gustave Adolph
 Miller, Frederick William
 Milliken, Lauren D.
 Mills, George Arthur
 Mills, Robert Selwyn
 Moser, Walter Alfred
 Munn, Ohio Nebraska
 Murphey, Joseph Allen
 Needham, Laurence Kenneth
 Nelson, Harry Alvin
 Opie, Ernest Lynch
 O'Sullivan, Malachi
 Oxnam, William Grant
 Palmer, William Roy
 Pearson, Arthur Lambert
 Pembroke, Ralph Arthur
 Pepperburg, Roy V.
 Perry, Frank D.
 Peters, Gus William
 Peters, Josiah Guy
 Pierce, Minnie Josephine
 Pitchford, George Leonard
 Pool, Raymond John
 Racely, Wilbur A.
 Reider, Jacob
 Rine, Charles William
 Robertson, Claude Hoag
 Rohrer, Isaac Truman
 Roscoe, Alva W.
 Rush, Benjamin Franklin
 Schneider, Theodore
 Schoonover, William Leroy
 Scott, Clement Shedd
 Severance, Ralph S.
 Seybold, James Abram Garfield
 Simmons, Nathaniel Rollins
 Simms, John Shaffer
 Slaughter, Carl Denton
 Smith, Arthur Deering
 Smith, Glenn Washington
 Smith, Ralph B.
 Smith, William Herschel
 Somerville, Glenn A.
 Stacy, Ward Alan
 Standeven, Walter Elon
 Stanley, Court Roger
 Steiner, Harold Ruben
 Stewart, Verne
 Theisen, William Walter Edward
 Thiele, Noah Webster
 Uebel, Leroy Oliver

Voorhees, John Whitman
 Vosacek, Frank Richard
 Ward, Chester Keepers
 Weller, John H.
 Wetherald, Howard Speakerfield
 Wheeler, Robert Albinus
 Williams, Terry Arthur

Wilson, Arthur Rockwell
 Wilson, Don Clarence
 Wilson, Harry Scott
 Wilson, James Lee
 Withers, Myra
 Woodward, Walter Roy
 Zook, Leslie Lewis

CONDITIONED FIRST YEAR—38

Bernard, Jay Irwin
 Bradley, Walter Hitchcock
 Burns, Donald C.
 Clark, John Elliott
 Cooke, Hugh J.
 Copeland, Fred S.
 Dayton, Frank Thompson
 Dobson, William Henry
 Gettle, William Luther
 Gray, Justus Burney
 Horst, John Paul
 Hughes, Harold Clinton
 Jacoby, Jonathan Oliver
 Manning, Albert Chester
 Martin, Edwin O.
 Mason, John Glenn
 Mitchell, Ormah Rudolph
 Nelson, Charles Jelmar
 Paine, James Howard

Palen, Archibald E.
 Parr, Frank Willis
 Penrod, William Edward
 Phillips, Frank Thomas
 Putman, Frank Israel
 Rantsma, Warren Franklin
 Robinson, Ralph Marion
 Rudy, Harry Lee
 Savery, Clyde
 Scholes, Arthur Albert
 Shindoll, Walter E.
 Smith, Harry Scott
 Stryker, Richard Nevius
 Stuart, Charles
 Sullivan, George Leonard
 Watson, Thomas Slade
 Whiting, Timothy R.
 Wiles, Wyman Smith
 Woods, Harland Clark

UNCLASSED—29

Ayer, Fred Carlton
 Baker, Harry Waldo
 Barnum, Laverna Pollard
 Bartley, Clifford Osgood
 Bovee, Henry Hopkins
 Chamberlain, Edgar Melvin
 Conlon, Sue
 Fox, John Monroe
 Fulton, Clifford Robert
 Graves, Eliot Varnum
 Grinnell, Josiah Beckley
 Hancock, Henry Ellsworth
 Hauser, Howard Ernest
 Heinsheimer, Jeannette

Horn, Lewis Miral
 Jones, Louise Elizabeth
 McKelvey, Mabel
 Manahan, Minnie Kelley
 Meeker, Grace
 Miller, Frank H.
 Minor, Ralph Vern
 Payne, Eugene Irvin
 Radcliffe, Belle
 Rymal, Tammie
 Steffen, Edward Elmer
 Stone, Lloyd Parker
 Ware, Herbert Miller
 Willer, Alfred

SCHOOL OF AGRICULTURE

THIRD YEAR—17

Beach, Frank Wardwell
 Bille, Max Henry
 Brown, John Marshall
 Dawson, James Wilber
 Ehlers, Harvey William
 Haskell, Earl Stanley
 Little, Merle
 Lute, Harry Detlef
 Mecham, Earl Alvin

Roberts, Herbert Haven
 Smutz, William Walter
 Tolles, Chester Warren
 Tolles, Ralph Louis
 Van Boskirk, John
 Vanderslice, Howard Roy
 Wilson, Harry Scott
 Young, Fred Louis

SECOND YEAR—36

Ankeny, Mark Tolles
 Armstrong, William James
 Barber, Fred Harrison
 Coad, Arthur Laurence
 Colvin, Arba Daniel
 Davis, Olin Lotis
 Dickman, Lloyd Lavern
 Dill, Earl Philip
 Downey, William Fuller
 DuBois, Ernest Blois
 DuBois, Henry Augustus
 Franklin, Earle Lester
 Gurney, Charles Edward
 Harnly, Earl Russell
 Herron, Leonard Smith
 Holub, James William
 Hopt, Irwin
 Hromas, Frank John

Hubbard, Edward Garieth
 Hurd, Lewis Herman
 Jameson, Edward Lester
 Lazure, Charles Basil
 McCartney, Herbert Ellsworth
 McNeel, Daniel Baker
 Meyer, Ernest
 Newell, Jessie Dowson
 Oberst, John Thomas, Jr.
 Orr, George Clements
 Ortman, Robert August Henry
 Parmenter, Elza
 Pettycrew, Earl Milton
 Petz, Henry August
 Pochon, Frederick Adolph
 Roberts, Barton Bellangee
 Welty, Gold Hibbard
 Wolvin, Clyde

FIRST YEAR—58

Allen, Elmer J.
 Anderson, Albert Sidney
 Baldwin, Percel Lyman
 Blanchard, Warren Holden
 Bollen, Lee George
 Bolling, John August
 Briggs, James Franklin
 Brinton, Wendell Phillips
 Brockman, Otto Henry August
 Brown, William Tarbell
 Buck, Holger Rasmussen
 Chase, Carl Fred
 Conley, Frank Wellington
 Cottril, Roy Eldon

Cramer, William Glenn
 Dailey, William Alexander
 Davenport, Harold M.
 Dawson, Ralph Ward
 Douglas, Howard Walter
 Edmondson, Rufus Aaron
 Erickson, Robert Theodore
 Everett, Clair Alfred
 Fallert, William Fred
 Field, Otis Sikes
 Forward, Floyd Frederick
 Gelston, George Melville
 Gibb, John James
 Gilbert, Fred Ellis

Hall, Ellsworth Wesley
 Jacobs, David Wesley
 Jacobson, John Andrew
 Jenkins, Muir Tease
 Lahoda, Emmet Joseph
 Larson, Ernest Seth
 Madsen, Charles Morris
 Matteson, Fred Hayward
 Middleton, James Abraham G.
 Miller, Claude Eugene
 Nelson, Arthur Julius
 Pedrett, Ulrich
 Peterson, Fred Ferdinand
 Pickens, Plato
 Rickards, Myres

Righter, Edward McEwen
 Ruff, Ernest Allen
 Sevcik, John Stephen
 Siem, Peter
 Sjogren, Carl Fred
 Slocum, Clayton Newton
 Snodgrass, Omer Leslie
 Stein, Herman Christian
 Stelk, William Detlef
 Stewart, Jay Gould
 Stibal, John, Jr.
 Tilton, Harry Leslie
 Wilcox, Louis Melville
 Young, Lee Andrew

SPECIAL—I

Hale, Charles Augustus

SHORT COURSE—98

Albert, Augustine V.
 Anderson, George Mads
 Ashby, Robert
 Aspegren, Edward John
 Bailey, Earl J.
 Balster, John
 Barkhoff, James August
 Beattie, Carey Hopkins
 Beckmann, Edward Albert
 Blatchford, Thomas Walter
 Bristol, Oswald Christian
 Buchanan, William Walter
 Burgess, Clarence Herman
 Buschow, Max Louis
 Butcher, Todd Daulton
 Carlisle, Watt R.
 Chace, Edwin Ruthven
 Clineburg, William August
 Cooper, Theodore
 Cooper, Warren Bollinger
 Cox, Gilbert Oliver
 Crabtree, William Abel
 Donaldson, Arthur Norman
 Doty, Jesse Larch
 Evans, John
 Fleet, Carl Van
 Frauen, John J.
 Frazeur, Philip Asbury
 Gates, Walter Charles

Goecke, Fred William
 Gordon, George Snowden
 Green, Arthur Millroy
 Grell, Herman Claus
 Grinnell, John Beckley
 Hammond, Hal R.
 Hanlon, Joseph Edward
 Harter, George Washington
 Hedges, Ernest Wood
 Hennies, Fred Henry
 Hill, Leon Ray
 Hill, Lima Francis
 Hoxie, Frank Morris
 Hutchinson, Alfred Tennyson
 Huyck, Harry D.
 Jenkinson, Edward D.
 Jones, Wallace Elliott Lee
 Kafka, Joseph Rudolph
 Kuhn, Soren Sorensen
 Lader, George Fred
 Landkamer, Levi Abraham
 Leaders, John August
 Lessing, Frank Carl
 Lohman, Frederick
 Loseke, Edward Gustave
 Marks, Herman August
 Meyer, Edward John
 Morrison, Harvey Archie
 Neal, John

Noziska, Eman Dominick
 Olson, Albert Ralph
 Pascoe, Paul
 Payne, George Elmer
 Peterson, John Claude
 Pierce, Walter Edward
 Putnam, Miles
 Ramsey, Mervie
 Reiff, George Washington
 Reimer, Emma Matilda
 Reimer, John Detlef
 Reimers, John Frederick
 Rozmarin, Joseph
 Runge, John Henry
 Runge, William
 Schlechte, Carston George
 Schlechte, Henry William
 Schlechte, Herman William
 Schobert, William Bartell
 Simmerman, William Francis

Sjogren, Carl Fred
 Skubal, Rudolf L.
 Sparks, Rollan Batterton
 Stech, Fred R.
 Stoltenberg, Emil H.
 Svoboda, James
 Thelen, Herman Joseph
 Trine, Sterling Morton
 Ullstrom, Roy
 Wagner, Carl Theodore
 Wagner, Henry Jacob
 Wavra, Frank
 Wellensick, Paul William
 Wellensick, William Martin
 White, George Clyde
 White, Leslie Francis
 Wiles, Wyman Smith
 Williams, John Alva
 Winslow, Will Lindley
 Young, Marion Kingsley

JUDGING COURSE—49

Asmus, Edward A.
 Blackburn, Jay C.
 Blanchard, Horace
 Calhoun, C. F.
 Chappell, George Washington
 Chase, Carl Fred
 Cornelius, John M.
 Cornelius, Logan
 Dabelstein, Martin
 Daniell, Alvin Richerson
 Davidson, James H.
 Dillard, Herbert
 Dillard, Tracy L.
 Drapela, John William
 Ehlers, John Henry
 Furry, Cameron J.
 Harrison, Clinton H.
 Haywood, Clarence V.
 Herron, Henry Johnston
 Hesaker, Lambert Matthew
 Hill, Elijah Curtis, Jr.
 Hill, Elijah Curtis, Sr.
 Horn, Andrew A.
 Johnson, Chris H.
 Krenz, Elmer

Kuhn, Christian August
 Lautenschlager, George W.
 Lienemann, Fred John
 Magdanz, Albert F.
 Mardin, Arnold
 Peterson, James Carl
 Paul, Charles Fred
 Peyton, Robert M.
 Pugsley, Charles W.
 Records, Frank L.
 Schlapper, Otto William
 Shiley, Ralph Charles
 Stevenson, William
 Story, Samuel T.
 Sullivan, Herbert R.
 Swanson, Frank D.
 Syford, DeWitt N.
 Turner, Johnson Craig
 Varney, Jesse Bowersock
 Vincent, Cuthbert
 Weller, Alfred
 Young, Dean L.
 Young, John P.
 Young, Robert Mathus

DOMESTIC SCIENCE—23**SECOND YEAR—10**

Benedict, Mary Olds
Bourke, Mary Edith
Buchanan, Minnie S.
Denny, Grace Goldena
Kendall, Kate

Murphy, Eleanor Gibson
Schmidt, Minnie Katherine
Verges, Anna E.
Whitmore, Jennie Grace
Williams, Maude

FIRST YEAR—13

Acom, Mable Elsie
Barber, Mabell Spaulding
Beemer, Luree
Bruner, Ella Psyche
Christie, Mabel
Faulkner, Cora May
Garoutte, Gladys Lucile

Green, Edna DeEtte
Gustin, Laura Belle
Knight, Mrs. Emma Howell
Lauer, Hazel
Lute, Minnie Alice
Moran, Ellen Sarah Honora

MECHANIC ARTS—20**SECOND YEAR—5**

Barber, Ford Bela
Beresford, John Reuben
Holbrook, Carl Nelson

McCall, Frank Edmund
Pospisil, Charles

FIRST YEAR—15

Brown, Alpheus Clarence
Graham, Floyd Newell
Hargreaves, Harry Gladstone
Hess, Rolland Holbrook
Honnold, Wilmer Harold
Nefsky, Charles C.
Nider, William Henry
Nugent, George Francis

Pederson, Chester James
Pieper, Johannes Karl
Rankins, Lester Whitman
Stine, Abraham
Strieter, Martin E.
Welton, Merton Merwin
Young, William Theodore

COLLEGE OF LAW—183**GRADUATE STUDENT—I**

Stull, Bertha Bianca, The University of Nebraska. LL. B., 1899

SENIORS—74

Allen, Ernest Howard
Alter, Charles Ernest
Anderson, Roscoe James
Armstrong James Mortimer

Baker, Earl Aaron
Bald, Frederic Arthur
Berkey, Clarence J.
Blezek, John W.

Broady, Jefferson Hoover
 Buchanan, William Ryburn
 Chain, Frank Leroy
 Corlett, George Milton
 Cowan Charles Frederick
 Craft, Charles Playford, A. B.
 Culver, Eugene Lewis
 Davis, Edgar Franklin
 Griffin, Thomas Dexter, A. B.
 Griggs, Burt
 Hadley, Claude R.
 Hart, Marvin Lawrence, A. B.
 Hazen, Roy
 Heim, Frederick John
 Hess, Adam Konigmacher
 Hewitt, Irenaeus Prime
 Hewitt, Thomas Miner
 Hodge, Edward D., A. B.
 Honnold, Arthur Rankin
 James, Richard Clinton
 Kirwan, Richard Burke
 Knapp, Charles Taylor
 Knutson, Anton Henry, A. B.
 Konop, Thomas Frank
 Kuser, William Larsh
 Lambe, Edward James
 Lightner, Louis Clarkford
 McKelvey, Brick Pomeroy
 McReynolds, Joseph Carl
 Marshall, George Jefferson
 Matlach, Frank Boleslavus
 Meredith, Fred Forest, A. B.
 Milek, John Thomas, A. B.

Monroe, Ernest Franklin
 Nielson, Fred Kenelm, A. B.
 O'Connor, James Francis
 Owen, Walter Lew
 Pfeiffer, Luther Oscar, A. B.
 Pryor, Ralph Hubert
 Rankins, Willis Aubrey
 Rees, Samuel
 Remster, Alva
 Richards, Edward Everett
 Righter, Fred Baxter
 Roth, Harold Denio
 Salisbury, Fred Olin
 Sampson, William Reuben
 Sargent, Charles Robinson
 Seybold, George Edward
 Shelburn, Otto Ernest
 Shields, Joseph Ralph
 Shuman, William Edgar
 Smith, Harry Leslie
 Smith Harley Marion
 Snavelly, Edgar Fudge
 Stong, Robert Charles
 Sward, Francis Ludwick
 Tanner, Joseph Earl
 Theobald, Herbert Jeremiah, A. B.
 Towne, Verne, William
 Vance, Paul Loraine
 Waltman, Edward Ellsworth
 Warner, Orlyn Dorphon
 Watkins, David E.
 Wellensiek, Herman Godfrey
 Wolff, Frederick Lawrence

SECOND YEAR—15

Bell, James Hayes, A. B.
 Case, William Merritt, A. B.
 Guile, Henry Franklin
 Johnson, Frederick William, A. B.
 Lee, George Arthur, A. B.
 Mathew, Robert Henry
 Patterson, Edgar Clay
 Pospisil, Gerome Benjamin

Prescott, Allen Zollars
 Ringer, John Dean, B. B.
 Ritchie, Charles David, A. B.
 Shedd, George Clifford, A. B.
 Shepard, Frank Thomas
 Smith, Richard Hubert
 Wroughton, Oliver Loraine

FIRST YEAR—86

Abbott, Arthur Griffin
 Bagley, James Thomas
 Barta, Frank A.
 Beachley, William Cecil

Beavers, Charles Chester
 Becker, Arthur Frederick
 Beltzer, James Edward
 Bickford, Roy

Black, Sherman Eugene
Borg, Charles Theodore
Buffington, George Alpheus
Cameron, Glen Roy
Chase, DeWitt Clinton
Clark, James Alfred
Crocker, Lloyd Oscar
Cronin, Neil Michael
Culbertson, William Edward
Davidson, Roscoe Blaine
Davis, Claude Asa
Day, Vincent Alph
DeLacey, George Lewis
Eager, Earl Orkney
Faulkner, Edwin Jerome
Favinger, Hubert Franklin
Fisher, James Tucker
Flansburg, Leonard A.
Gibson, Ben Joseph
Hake, Ray Smith
Hall, Asa LeRoy
Hardman, Harry M.
Harrison, Philip John
Hayward, Frank Sumner
Hendrickson, Clarence Henry
Huffman, Yale Bryant
Hupp, Glenn C.
Hutchison, John Wesley
Jennings, Avery Graham
Johnson, Theodore Thomas
Kimmel, Luther Martin
Kurtz, Noah Vilas
Laird, Fred Chester
Lantz, George D.
Lefler, Charles Millard
Lefler, Millard Charles
Lundin, Alfred Helmer
McComb, Robert Charles
McDuffee, Martin Sylvester

McLaughlin, James Ross
McMahon, Martin Cornelius
Martin, Thomas Henry
Mathers, Albert Newton
Mattley, Herman Nelson
Merrill, Lorenzo Burton
Metz, Percy Wendell
Meyer, Oscar Maxwell
Mohrman, Charles August
Molony, James Roby
Moore, Guy Andrew
Morrison, John Kelly
Myers, Edwin Francis
O'Gara, Peter Francis
Paul, John Milford
Peterson, Carl Edlebert
Peterson, Peter
Quereau, George Henry
Quick, Frank Pierce
Rathburn, Merle Connor
Reed, Harry F.
Robinson, Elmer Fulton
Rolfson, Charles Martinius
Sawyer, John Leroy
Shorey, Clyde Everett
Smead, Howard Rufus
Southwick, Homer J
Speer, Jeptha Pierson
Sprague, Ernest Edgar
Stratton, Archie James
Talbot, David
Taylor, George L.
Thorn, Frank Edwin
Tillman, Harry Jefferson
Van Burg, James Floyd
Warnke, William John
Wilburn, Carleton Chapin
Williams, Everett Lyle
Wilson, John Ambrose

SPECIAL STUDENTS—7

Baumert, William Miller
Campbell, Malcolm Peter
Clay, William Henry
Jennings, Charles William Holman

Livingston, Mancill Fay
Northup, Homer Harvey
Whited, Kirk

COLLEGE OF MEDICINE—150

SENIORS—32

Alliband, George Arthur
 Bellinger, Smith W.
 Bening, John Fred
 Campbell, Rosco
 Decker, Jay C.
 Dempster, Roy Paxson
 Eby, Charles Daniel
 Edwards, James Archibald
 Everett, Oliver W.
 Gates, Frank Vernon
 Hart, John Franklin
 Hummer, Warren Lee
 Karrer, Fred William
 Kerr, Johnston Harper
 Knode, Ray Archibald
 Kohout, Joseph A,

McArthur, Hector
 Meisenbach, Jacob Edward
 Merritt, Edwin Atkins
 Nelson, Neil David
 Nye, Mark Alva
 Panter, Robert Carpenter
 Pedersen, Peter Marius
 Patton, James McDowell
 Penner, Henry Gerhard
 Penner, Louis
 Prest, John Elry
 Petr, Francis
 Sample, Thomas Edward
 Stuart, Albert Berry
 Trostler, Isadore Simon
 Underwood, Robert Borden

JUNIORS—26

Adams, Burton Abel
 Anderson, William Hugh
 Arbogast, Hoyer John
 Baker, Milan Daniel
 Empey, Ernest Sidney
 Garland, Harrie Sanborn
 Heine, William Howard
 Holm, Adolph Hjalmar
 Jeffers, Bertrand Frederick
 Kennedy, Charles Rex
 Lane, Arthur Ernest
 Lauzer, Edward S.
 McDonald, Grundy E.

Mason, Claude William
 Miller, Clinton James
 Morris, George Henry
 Morrison, George Andrew
 Pedersen, Hans Christian
 Polevoy, Nina
 Potter, George Benjamin
 Rumery, Arthur Clark
 Smith, Eldon Jesse
 Swoboda, Franz
 Thomsen, John
 Wainwright, Cornelius Isaac
 Wigton, Harrison A

SOPHOMORES—14

Coats, Albert James
 DeBey, John Gerard
 Emerson, Clarence
 Epplen, Frederick
 Fairchild, Nora May
 Fuller, John Andre
 Hanson, Daisy May

Morsman, Leslie W.
 Palmer, Claud
 Poole, Venus W.
 Robertson, Edwin Norris
 Valentine, Edward
 Willis, Charles Henry
 Wright, John

FRESHMEN—33

Ackley, Guy Winfield
 Adams, Roy Bennett

Allen, John Franklin
 Arnold, Elmer William

Berg, Matilda Louisa
 Buis, John
 Christy, Edgar
 Clark, Ira Joseph
 Hamill, Robert Anderson
 Hanna, Leo Gregory
 Harrison, Paul Wilberforce
 Hyde, John Fay
 Johnston, Eldon Thomas
 Lieber, Charles
 Manville, Leon Albert
 Meredith, Ernest Lewis
 Munday, D. Darlyne
 Paine, Andrew Everett
 Platz, Ada

Potts, John Beekman
 Prichard, George Winthrop
 Pruner, William H.
 Stanley, Emory Day
 Stoakes, Charles Stewart
 Stokes, Guy P.
 Sullivan, George Webster
 Tucker, Ada Almira
 Tucker, Winifred Marie
 Walker, George Heman
 Ware, Edward Miller
 Warner, Merle F.
 Wekesser, Henry Peter
 Woodard, James Madison

THE SIX YEAR COMBINED COURSE

SECOND YEAR—13

Charlton, Albert Tutton
 Dayton, Frank Thompson
 Farnsworth, Salina Esther
 Lambert, Schuyler Colfax
 Moore, John Clyde
 Morrow, Frank Henry
 Penfield, N. Louis

Rinker, Casper Lucas Abel
 Rubendall, Clarence
 Sidwell, Lawrence Tweedy
 Skeen, Earl Donovan
 Somerville, Glenn A.
 Thompson, Irwin Levi

FIRST YEAR 11

DeCou, Robert Austin
 Gramlich, Ralph Clifford
 Henny, William Henry
 Hewit, George Linus
 Hoff, John Christopher
 Hospers, Jacob C.

Ivins, Richard Lynn
 Mantor, Harry Lyman
 Putnam, Frank Israel
 Simms, John Shaffer
 Wilson, James Lee

UNCLASSIFIED STUDENTS—21

Andreson, Paul Selby
 Boggs, James Eflo
 Boston, Clyde Thomas
 Bradshaw, Thomas LeVerne
 Branson, Charles Blaine
 Brigham, Byron Deane
 Champion, William Joseph
 Conkling, Ralph D.
 Dailey, Thomas Edward
 Dorwart, Jason Watson
 Fellers, Elbert Wesley

Gifford, Arthur Bedford
 Housel, William Alvin
 James, David Burt
 Kirk, James Reams
 Lewis, Harvey Nelson
 Meredith, Bruce Clyde
 Olson, Eddie Martin
 Redfern, Doc Leonard
 Sturdevant, La Zelle Brantley
 Torossian, Mihran Hacher

SCHOOL OF FINE ARTS—92

Allan, Mrs. Charles Beach
 Arnold, Maude Brownie
 Barber, Herbert Kneeshaw
 Beckwith, Alva A.
 Bednar, Julia
 Beeler, Winifred Olive
 Bennett, Blanche Mable
 Bollard, Donald Chamberlain
 Brown, Alpheus Clarence
 Brown, Edna
 Brown, Grace Griffith
 Brown, Martha Ann
 Burnham, Louise
 Busfield, Jessie Beane
 Butler, Omer Edmund
 Butler, Paul Revere
 Clark, Ethel Cecelia
 Cook, Mrs. W. B.
 Cooper, Olive Ena
 Coppock, Grace Lydia
 Cowan, Lena
 Craig, Alice Rowena
 Denton, Mrs. Agnes Stephens
 Dobson, Mrs. Adna
 Dolson, Mrs. L. J.
 DuTeil, Mary
 Edmisten, Blanche
 Evans, Bessie Lucile
 Fisher, Clara Lucretia
 Fleming, Ivan Ellsworth
 Fling, Mrs. Helene Dresser
 Foxwell, Jessamine Pearl
 Frazier, Josie Pearl
 Gellatly, Kate Heddens
 Gould, Doda
 Green, Edna DeEttie
 Hacker, Edith
 Hadley, Ned E.
 Harmes, Lydia Pearl
 Hart, Marion Smith
 Hawxby, Elizabeth
 Heinrich, Ethel
 Holben, Jewell Ferguson
 Hopkins, Leona White
 Hymer, Mary Elizabeth
 Jacques, William

Johnson, Eleanor Moliere
 Johnson, Minnie
 Kincaide, Gertrude
 Klinker, Mary Marguerite
 Ludden, Carrie E
 McLucas, Margaret
 Matthiesen, Meta Catherine
 Meeker, Grace
 Merrideth, Estelle
 Miller, Mary Katherine
 Munday, Louise Easterday
 Murphy, Eleanor Gibson
 Murray, Hazel Moye
 Mussetter, Martha Grace
 Ogden, Marion
 Pierce, Martha Lily
 Post, Lillian Igurna
 Record, Pearl Esther
 Roscoe, Jessie Isabel
 Royce, Grace Eddy
 Rydberg, Jennie Christina
 Ryons, Jessie Cornelia White
 Sargent, Helen Mandana
 Schaefer, Ida Edna
 Severin, Albert August
 Snyder, Bessie Fae
 Sontheimer, Lillie
 Steigner, Virginia de
 Sterling, Katharin Grace
 Strode, Mrs. E. C.
 Stuart, Anne Elizabeth
 Trickey, Mignon Azalia
 Unthank, Alice Gertrude
 Walker, Fred Gail
 Wallace, Margaret
 Wallace, Olive May
 Ware, Herbert Miller
 Warner, Creta
 Warner, Myra
 Watkins, May
 Watt, Edna Elizabeth
 Weil, Gladys Lincoln
 White, Grace Constance
 Wilson, Helen
 Wood, Caroline Elizabeth
 Woodruff, Genevra

THE SCHOOL OF MUSIC—360

Agnew, Marjory
Agnew, Sallie
Albion, Clara
Alexander, Gertrude
Anderson, Emma
Anthes, Ellen
Archibald, Alleyne
Armstrong, William
Ashley, Mabel
Atwood, Juliette
Auld, Alice
Avery, May
Baker, Myrtle
Baker, Ruth
Barbour, Eleanor
Bardwell, Harriet
Barnes, Mrs. Frank
Barney, Anna
Barns, Viola
Barnum, Laverna
Beach, Cora
Beale, Zella
Beardsley, Adah
Beemer, Luree
Belk, Florence
Bennett, Esther
Bennett, Gaylord
Bennett, Grace
Berger, Helen
Bernard, Sister Mary
Black, Edna
Boose, Clara
Booth, Blanche
Bothwell, Anna
Bouchard, May
Bowers, Marie
Brenizer, Elizabeth
Bridenbaugh, Bertha
Brigham, Marion
Britton, Blanche
Bradford, Harry
Buchler, Elsie
Burke, Margaret
Burket, Ethel
Burlingim, Edith
Burns, Myrtle
Bush, Pauline

Butler, Maude
Callanan, Emma
Callanan, Fannie
Canon, Claire
Carder, Everett
Castor, Ada
Chapman, Florence
Chessington, Aura
Chessington, James Buell
Clark, W. LeRoy
Clements, Frederic
Cochran, Nelia
Cole, Carrie
Cole, Lillian
Cook, Bessie
Cooper, Olive Ena
Cornell, Clare
Cornell, Maud
Cornwell, Elsie
Cox, Mabel
Creekpaum, Emily
Creekpaum, Louisa
Crittenden, Cornelia
Cully, Ada
Curl Lillian
Curlee, Grace
Curtice, Helen
Curtice, Norman
Daikers, Anna
Dann, Albert
Dayton Frank
Hall, Camille
Denny, Floss
Deyo, Jude
Dickinson, Verle
Dierks, Laura
Dill, Martha
Dimmitt, Edith
Dolson, Helen
Dopson, Olive
Doubrava, Ethel
Ducker, Emma Estelle
Ducker, Jesse
Durbin, Florence
Duval, Clara
Eaman, Edith
Eames, Edith

Eason, Dorothy
 Edmiston, Grace
 Ehlers, Caroline
 Eisenmann, Louise
 Elmendorf, Eleanor
 Emerick, Jessie
 Emery, Lorene
 English, Lulu
 Essex, Susie
 Ewalt, Magnolia
 Fanton, Effie
 Faulkner, Cora
 Feather, Hattie
 Ferguson, Inger
 Ferris, Grace
 Fodrea, Genevieve
 Fodrea, Pearl
 Fulmer, Florence
 Fricke, Lena
 Friend, Gertrude
 Frum, Ada
 Fuller, Eva
 Gale, Helen
 Gibson, Grace
 Gleason, Clyde
 Goodfellow, Eunice
 Gould, Lodema
 Gould, Marguerita
 Graves, Fannie
 Green, Gertrude
 Griggs, Nelly
 Grimes, Grace
 Guilfoil, Marjorie
 Gunnarson, May
 Gurney, Ethel
 Hacker, Edith
 Haggard, Amy
 Haggard, Carrie
 Hale, Flossie
 Hall, Marian
 Hanson, George
 Harris, Ada
 Hart, Mrs. Carrie
 Hassett, Elizabeth
 Hassler, Otis
 Hay, Margaret
 Haynes, Ethel
 Hearn, Alberta
 Heath, Mary

Hedges, Mabel
 Heinsheimer, Jeannette
 Helwig, Bessie
 Hendry, Horace
 Heppner, Amanda
 Herrick, Cora
 Henrich, Ethel
 Henry, Ruth
 Hicks, Grace
 Hinman, Maud
 Hitchcock, Jennie
 Hodgman, Stanley
 Hofmeister, Bertha
 Hoker, Stella
 Holben, Jewell Ferguson
 Holberg, Minnie
 Holly, Bertha
 Holm, Marie
 Holyoke, Robert
 Hormel, Floy
 Horn, Lewis
 House, Nellie
 Howard, Bertha
 Howell, Winifred
 Howie, Mrs. Ida
 Hudson, Frank
 Hudson, Philip
 Hunt, Lela
 Huse, Helen
 Hylton, J. L.
 James, Matilda
 Janecek, Mary
 Jeffers, May
 Jennings, Mrs. Addie
 Jones, Anna
 Jones, Gayle
 Johnson, Lulu
 Johnson, Pauline
 Johnson, Ruth
 Kauffman, Myrtle
 Kehler, Mary
 Keifer, Guy
 Kendrick, Joan
 Kendrick, Marcia
 Killian, Mamie
 Kimball, Katherine
 Kimball, Katherine
 Kimball, Marjorie
 Kirtley, Flora

Lally, Eleanor
Lansing, Jessie
Larimer, Susie
Laughlin, Addah
Lemon, Rosella
Little, Marjorie
Little, Miriam
Livesay, Bessie
Livesay, Beulah
Long, Lucile
Lorette, Sister Mary
Lowe, Iva
Lowrie, Flora
MacArthur, Walter
McCarl, Blanche
McCarl, Ida
McClelland, Mrs. R. S.
McClintick, Fern
McClintick, Una
McCune, Julia
McDaniel, Clara
McGeachin, Jean
McLennan, Nettie
McNeil, Emily
McWhinney, Grace
Maher, Mrs. Ruby
Manrid, Hazel
Marquardt, Minnie
Marsland, Elma
Marsh, Maybel
Martin, Annette
Martin, Ruth
Melick, Amy
Mengedoht, Elsie
Meyer, Martha
Meyer, Pauline
Mickey, Bessie
Miles, Edythe
Miller, Florence
Miller, Mary
Mitchell, Elizabeth
Morris, Frances
Morris, Ida
Morris, Nellie
Mosshart, George
Munger, Ruth
Neidhart, Amalie
Niemoller, Gertrude
Norval, Ethel

O'Connell, Ethyle
Oehme, Johanna
O'Shea, Bessie
O'Shea, Nellie
Overstreet, Susie
Page, William
Palmquist, Laura
Park, Mrs. Estelle
Pendarvis, Lena
Pettis, Dorothy
Pettis, Edward
Pettis, Marian
Pierce, Cora
Pierce, Minnie
Pollard, Lottie
Poynter, Josephine
Pratt, George
Preston, Emma
Price, Gertrude
Raymond, Ruth
Reed, Vinnie
Reynolds, Beatrice
Reynolds, Grace
Richards, Marie
Riddell, Celia
Ridgeway, Wista
Riechers, Roxy
Roberts, Charlotte
Roberts, Edith
Roberts, Genevieve
Rose, Genevieve
Rugh, Maud
Ryba, Mrs. Allie
Salsbury, Nell
Sargent, Marianne
Saunders, Pearl
Sawyer, Alyce
Schaefer, Ada
Schaupp, Vera
Scheidt, Anna
Scherzer, Jane
Schroeder, Emma
Scott, Georgia
Scott, Willie
Searls, Katherine
Selby, Gertrude
Shedd, Edith Waugh
Shepherd, Olive
Sine, L. P.

Sine, L. Ross
 Smith, Cora
 Smock, Eddys
 Snyder, Bessie
 Snyder, Gertrude
 Snyder, Helen
 Spaulding, Harriett
 Speich, Anna
 Speier, Rose
 Sprague, Elizabeth
 States, Olive
 Steigner, Eunice de
 Steiner, Flora
 Stevenson, Nellie
 Stangland, Mrs.
 Stull, Dell
 Stutheit, Ellen
 Sullivan, Ina
 Sullivan, Mabel
 Sutherland, Mrs. Laura
 Sutton, Lola
 Swanfeldt, Blanche
 Sward, Edna
 Swearingen, Mrs. H. C.
 Swedeberg, Alyce
 Syford, Ethel
 Taylor, Alma
 Taylor, Viletta
 Taylor, Viola
 Thomas, Adelaide
 Tracy, Daisy
 Trester, Mrs. Lewis
 Tulleys, Cora
 Tuttle, Kathleen
 Uhlich, Alice

Upton, Vera
 VanBurgh, Mae
 Van Gorden, Bernice
 Van Wie, Emma
 Vasey, Frank
 Venters, Elsie
 Votaw, Mrs.
 Walker, Louisa
 Walton, Martha
 Ward, Mary
 Warner, Mrs. Cora
 Watt, Edna
 Watt, Louella
 Wenger, Rudolphia
 Whitcomb, Pauline
 Willard, Marguerite
 Willson, Ethel
 Wilson, Edith
 Wiltamuth, Bertha
 Winchester, Madge
 Wolfe, Della
 Wolfe, Isabell
 Woodruff, Genevra
 Workman, Nettie
 Wort, Bernice
 Wysong, Phoebe
 Young, Carlton
 Young, Garry
 Young, Grace
 Young, Lou
 Young, Mary
 Young, Maude
 Youngers, Pearl
 Zimmerman, Edna
 Zwonechek, Anna

SUMMER SESSION—191

Admire, Ethel
 Agnew, Sallie
 Allington, Susan Elizabeth
 Alter, Mary Lavina
 Anderson, Claude North
 Arthaud, Riley Emile
 Athen, Nellie Olin
 Barker, Percy Bonsfield
 Benedict, Olive M.
 Billing, Arthur William
 Botts, Cora Imogene
 Bovee, William James

Boyd, Elsa Elizabeth
 Boyd, Katherine
 Brady, John David
 Brenizer, Elizabeth
 Brewster, Rose Blanche
 Brown, Ethel
 Brown, Georgia May
 Brown, Mamie Ellen
 Brown, Sadie
 Bryan, Ruth Baird
 Buckner, Emory Ray
 Buckner, Mrs. Minnie Katherine

Buila, Frank C.
Bullock, Laura Geneva
Burg, Carrie Christine
Burlingame, Nettie Laura
Butler, Myra Hibbard
Campbell, John Knox
Carson, Henry Raymond
Cattle, Alice Muriel
Clapp, Charles Willard
Clark, Rose Bertha
Coffman, Walter Jenks
Courtney, Irene Geraldine
Cullen, Peter Cavin
Dallas, James Andrews
Darling, Mae
Darling, Vera Sara
Daughters, Milo Reason
Davis, Eunice
Dawe, Margaret Estes
Dill, Byron Edgar
Dobson, William Albert
Douglas, Mai Field
Drake, Fanny Adrienne
Eaton, Mary Mavrette
Elledge, Grace
Ellis, John Samuel
Exley, Charles Arthur
Farnsworth, Jessie Snow
Farnsworth, Minnie Sarah
Farnsworth, Salina Esther
Faulhaber, Marie Helen
Fawcett, George Lorenzo
Felton, Nellie Amelia
Ferguson, Sarah Jane
Finigan, Mary Agnes
Finlay, Ethan Clyde
Finlay, Sylvia Imogene
Fling, Mrs. A. C.
Flowers, Lucretia Ella
Fossler, Mabel
Fowler, Clara Wood
Fox, Theodore William
Fulk, Joseph Richard
Fulmer, Luella
Gail, Floyd Whitney
Gibson, Nellie Blanche
Gilbert, David Bennett
Goodrich, Mary Irene
Goss, Paul

Gratz, Ida Fredericka
Green, Walter Callier
Green, Sarah Virginia
Griffin, Mabel Esther
Groff, Helen Amelia
Hanley, Minnie Ellen
Harger, John Ross
Hawxby, Elizabeth
Hempel, Loreine Anna
Hewitt, Louis Percy
Hildebrand, Arthur Eugene
Hilton, Blanche Lozeine
Hogue, Mary Alice
Houge, Maud Irene
Hooton, Mary Belle
Howe, Lola Lucy
Hugg, Ola Blanche
Husted, Anna Ktrstine
Hutton, Isabelia Jane
Jackson, Mary Frances
Jeffery, Ella Margaret
Johnson, Eleanor Moliere
Kellogg, Ernest Clinton
Kiesselbach, Rudolph Philip
Kiesselbach, Sophia Dorothea
Kinyon, Susie
Kraft, Clara Katherina
Lane, Rilla
Leaming, Lucy Emeline
Linberg, James Chris
McCann, Rose Ann
McDill, Alice
McVicker, Carrie Pearl
Magdanz, Albert Frederick, Jr.
Marsh, John Estey
Marshall, Eugenia
Melick, Charles Wesley
Merrill, Lena
Miller, Iowa Frances
Moore, Jessie Ruth
Moran, Ellen Sarah Honora
Morgan, Lillian Farrell
Morgan, Mary
Morrell, Emma E.
Morris, Nellie
Muir, Mabel
Neff, Cora Elizabeth
Nissley, Mary Adda
Osmotherly, Helen

Park, Fred Weimar
 Pate, Walter Ramny
 Paul, Blanche Addie
 Peterson, Peter
 Phelan, Kathryn
 Phelps, Sarah Louise
 Phillips, Nellie B.
 Pierce, Alma Laura
 Piper, Elsie Ford
 Piper, Jennie Louise
 Pool, Venus W.
 Potts, John Beekman
 Purviance, Percy
 Rands, Sarah Jane
 Roberts, Grace Agnes
 Runsteen, Anna Christina
 Ruzicka, Frank W.
 Sargent, Helen Mandana
 Schlesinger, Nella
 Skinkle, Evelyne
 Slater, Mary Luella
 Smith, Emma Belle
 Smith, Jane Sprott
 Smith, Penelope Margaret
 Spencer, Eugene Garfield
 Stevenson, Pearl
 Stockton, Frank
 Tibbetts, Anna Mary
 Totton, Agatha Welthy

Tout, Wilson
 Unthank, Alice Gertrude
 Varuska, Katherine
 Walker, Mina Edith
 Walker, Retta May
 Waters, Archie Robert
 Waters, Clark Story
 Waters, Rosa L. Groeling
 Webb, Anna Marian
 Webb, Louie Juanita
 Webster, Edith Leonora
 Whelan, William
 Whitham, Harriet
 Whyman, Estella May
 Wilkinson, Mary Pearl
 Williams, Hattie Pearl
 Williams, Minnie May
 Wilson, S. Bertha
 Wolfenbarger, Ethel Goodrich
 Wolford, Della Myrtle
 Woodin, Jennie
 Woods, Willmer J.
 Woods, Warren Willis
 Wright, Fred Raymond
 Wright, Helen
 Wurts, Carrie Agnes
 Yost, Ethel May
 Young, Julius Frederick

ART—12

Anderson, Emma
 Evans, Bessie Lucile
 Gould, Doda
 Hammond, Clara
 Johnson, Minnie
 Kincaide, Gertrude

Morgan, Mary
 Sherman, Mrs. C. S.
 Strode, Mrs. E. C.
 Stuart, Anna Elizabeth
 Thompson, Sadie M.
 Warrick, Dora

DIRECTORY OF STUDENTS

NAME	*COLLEGE OR SCHOOL	HOME ADDRESS
Abbott, Arthur Griffin	Law	Grand Island
Abbott, Lulu Florence	L.	Lincoln
Abbott, Myron Dates	L.	Lincoln
Abel, George Philip	L.	Lincoln
Ackley, Guy Winfield	Med	Juniata
Acom, Mabel Elsie	D.	North Bend
Albert, Augustine V.	A.	Wahoo
Adams, Burton Abel	Med	Hazel, S. D.
Adams, Edward Browne	L.	Tekamah
Adams, Elsie Hattie	L.	Lincoln
Adams, Lelia	L.	Lincoln
Adams, Leta Emma	L.	Lincoln
Adams, Percy	L.	Wahoo
Adams, Roy Bennett	Med	Lincoln
Adams, Willa Letitia	L.	Wahoo
Admire, Ethel	S.	Oakland
Agee, Alice Wilson	L.	Friend
Agee, Anna Luella	L.	Friend
Agnew, Marjory	M.	Lincoln
Agnew, Sallie	L.	Lincoln
Aitken, Daisy Elsie	L.	Ashland
Akerlund, Fritz Rudolph	I.	Valley
Albion, Clara H.	M.	Custer, S. D.
Albright, Beulah	L.	Lincoln
Alexander, Gertrude	M.	Lincoln
Allan, Mrs. Charles Beach	Art	Lincoln
d'Allemand, Benoit Rutherford Hayes	I.	Arapahoe
Allen, Arabella Eva	L.	Lincoln
Allen, Elmer J.	A.	Lincoln
Allen, Emily Newell	L.	Lincoln
Allen, Ernest Howard	Law	York
Allen, John Franklin	I, Med	Bradshaw
Allen, Mattie	G.	Westerville
Allen, Willa Cartha	L.	Madison
Alliband, George Arthur	Med	Griswold, Ia.
Allington, Susan Elizabeth	S.	Alma
Alter, Charles Ernest	Law	Alma
Alter, Mary Lavinia	S.	Omaha
Ames, Adeline Sarah	G.	Normal
Ames, Gratia	L.	Norma

*L—College of Literature, Science and the Arts; I—Industrial College; Law—College of Law; Med—College of Medicine; M—School of Music; A—School of Agriculture; D—School of Domestic Science; Ms—School of Mechanic Arts; S—Summer School; G—Graduate School; Art—School of Fine Arts.

Anderson, Albert Sidney.....	A.....	Lincoln
Anderson, Amanda Elvira.....	I.....	Lincoln
Anderson, Anna.....	L.....	Omaha
Anderson, Augusta.....	L.....	St. Paul
Anderson, Burton Alvedion.....	L.....	Alma
Anderson, Claude North.....	S.....	Tecumseh
Anderson, Edward Emil.,.....	I.....	Lincoln
Anderson, Emma.....	M.....	Elgin
Anderson, Emma.....	S.....	Wahoo
Anderson, Frank Axel.....	L.....	Holdrege
Anderson, Frederick.....	I.....	Hooper
Anderson, George Mads.....	A.....	Cushing
Anderson, Helen Wilson.....	L.....	Omaha
Anderson, James, Jr.....	I.....	Omaha
Anderson, Lillian Eugenie.....	L.....	St. Paul
Anderson, Lillie Alameda.....	L.....	Holdrege
Anderson, Roscoe James.....	Law.....	Lincoln
Anderson, Sten Torgney.....	I.....	Lincoln
Anderson, William Ambrose.....	L.....	Omaha
Anderson, William Hugh.....	Med.....	Council Bluffs, Ia.
Andra, Emma Margaret.....	L.....	Lincoln
Andreson, Paul Selby.....	Med.....	Lincoln
Andrews, Eleanor Roberta.....	L.....	Fairbury
Ankeny, Mark Tolles.....	A.....	Laurel
Anthes, Ellen E.....	M.....	Lincoln
Anthes, Paul Jacob.....	I.....	Lincoln
Arbogast, Hoyer John.....	Med.....	Bartley
Archer, Flossie Carolyn.....	L.....	Omaha
Archibald, Alleyne M.....	M.....	Lead, S. D.
Arends, Walter Herman.....	L.....	Syracuse
Armstead, Herbert Benton.....	L.....	North Bend
Armstrong, James Mortimer.....	Law.....	Albion
Armstrong, William J.....	M.....	Ord
Armstrong, William James.....	A.....	Ord
Arnold, Elmer William.....	Med.....	Lincoln
Arnold, Maude Brownie.....	Art.....	Lincoln
Aron, Albert William.....	L.....	Magnolia, Ia.
Arthaud, Riley Emile.....	S.....	Elba
Ashby, Robert.....	A.....	Genoa
Oshley, Mabel Alice.....	L.....	Decatur
Asmus, Edward A.....	A.....	Dorchester
Aspegren, Edward John.....	A.....	Saronville
Athen, Nellie Olin.....	I.....	Lincoln
Atwood, Juliette.....	M.....	Lincoln
Augustus, Ralph.....	L.....	Fullerton
Auld, Alice Alwilda.....	L.....	Lincoln
Avery, Mae.....	M.....	Fairbury
Ayer, Fred Carlton.....	I.....	Omaha
Aylsworth, Leon Emmons.....	G.....	Lincoln

Bacon, Alice.....	L.....	Lincoln
Bagley, James Thomas.....	Law.....	Springfield
Bailey, Earl J.....	A.....	Elmwood
Baird, Herbert Willis.....	L.....	Lincoln
Baird, Raymond Prescott.....	L.....	Cedar Rapids
Baker, Earl Aaron.....	Law.....	Tilden
Baker, Harry Waldo.....	I.....	Havelock
Baker, Milan Daniel.....	Med.....	Tilden
Baker Myrtle M.....	M.....	Lincoln
Baker, Ruth Quinlin.....	L.....	Lincoln
Bald, Frederic Arthur.....	Law.....	Aurora
Baldwin, Pierce Lyman.....	A.....	Fremont
Ball, Oscar James.....	L.....	Ashland
Ballard, Daisy.....	L.....	Wilber
Ballard, Fred.....	L.....	Havelock
Ballard, Pansy.....	L.....	(Deceased)
Balsley, Josephine Glenalvin.....	G.....	Genoa
Balster, John.....	A.....	Omaha
Bankson, Henrietta.....	L.....	Table Rock
Barber, Charles Emory.....	L.....	North Platte
Barber, Ford Bela.....	I.....	Bancroft
Barber, Fred Harrison.....	A.....	Franklin
Barber, Herbert Kneeshaw.....	Art.....	Lincoln
Barber, Mabell Spaulding.....	D.....	Franklin
Barbour, Carrie Adeline.....	G.....	Lincoln
Barbour, Eleanor.....	M.....	Lincoln
Bardwell, Edith Harriet.....	L.....	Lincoln
Bardwell, May Noble.....	L.....	Lincoln
Barker, Franklin Davis.....	G.....	Lincoln
Barker, Ollie May.....	L.....	Pawnee City
Barker, Percy Bonsfield.....	L.....	Nelson
Barkhoff, James August.....	A.....	Bozeman, Mont.
Barnard, Jay Irwin.....	I.....	Table Rock
Barnes, Alfred Kimball.....	G.....	Norfolk
Barnes, Mrs. Frank.....	M.....	Lincoln
Barney, Anna E.....	M.....	Friend
Barney, Marie Gertrude.....	L.....	Lincoln
Barnhart, Susan Mills.....	L.....	Missouri Valley, Ia.
Barns, Viola Florence.....	L.....	Albion
Barnum, Laverna Pollard.....	I.....	Union
Barta, Frank A.....	Law.....	Knoxville
Bartley, Clifford Osgood.....	I.....	Lincoln
Barton, Jessie Dora.....	L.....	Plattsmouth
Bates, Arthur Clay.....	L.....	Carleton
Bates, Carlos Glazier.....	I.....	Lincoln
Bates, George Whitney.....	I.....	Long Pine
Bates, Ross Waldo.....	I.....	Springfield
Bates, Ruth Mary.....	L.....	Hastings
Bates, Sarah Glazier.....	G.....	Lincoln

Battan, Roy.....	I.....	Hastings
Baughn, Glenn Norman.....	I.....	Tobias
Baumert, William Miller.....	Law.....	Lincoln
Baxter, Norman McLeod.....	I.....	Halifax, Nova Scotia
Bay, Herbert Whitehouse.....	I.....	Omaha
Bayard, Caroline E.....	L.....	Lincoln
Beach, Cora.....	M.....	Lincoln
Beach, Frank Wardwell.....	A.....	Lincoln
Beachley, William Cecil.....	Law.....	Lincoln
Beale, Ralph Marshall.....	L.....	Waverly
Beale, Zella Kirk.....	L, M.....	Waverly
Beardsley, Fannie Adah.....	L.....	Lincoln
Beattie, Carey Hopkins.....	A.....	Bradshaw
Beattie, Mabel Lillie.....	L.....	Albany, N. Y.
Beatty, Albert Edward.....	I.....	University Place
Beaver, Charles Chester.....	Law.....	South Omaha
Becker, Arthur Frederick.....	L, Law.....	Bennington
Beckman, Alfred William.....	I.....	Lincoln
Beckmann, Edward Albert.....	A.....	DeWitt
Beckwith, Alva A.....	Art.....	Lincoln
Bednar, James Edmund.....	L.....	Wymore
Bednar, Julia.....	L, Art.....	Schuyler
Bedwell, Mary Eleanor.....	L.....	Omaha
Beeler, Winifred Olive.....	Art.....	North Platte
Beemer, Luree.....	D.....	Lancaster
Beers, Frank Russell.....	I.....	Syracuse
Belden, Chester Logan.....	I.....	Dawson
Belk, Florence.....	M.....	Ceresco
Bell, Clark E.....	L, I.....	Lincoln
Bell, Frances Louise.....	L.....	Omaha
Bell, James Hays.....	Law.....	Champion
Bell, Marian Cinderella.....	L.....	Lincoln
Bell, Ruth Ellen.....	L.....	Lincoln
Bellinger, Smith W.....	Med.....	Council Bluffs, Ia.
Beltzer, James Edward.....	Law.....	Arapahoe
Bender, John Rhinold.....	L.....	Sutton
Benedict, Mary Olds.....	D.....	Lincoln
Benedict, Maurice Abbott.....	I.....	Lincoln
Benedict, Mrs. Olin Wheatin.....	L.....	Lincoln
Bengston, Emma Maria.....	L.....	Harvard
Bening, John Fred.....	Med.....	Sutton
Bennett, Blanche Mable.....	L, Art.....	Lincoln
Bennett, Esther L.....	M.....	Lincoln
Bennett, Frank Leroy.....	L.....	Pawnee City
Bennett, Gaylord Granville.....	L, M.....	Deadwood, S. D.
Bennett, Grace Mabel.....	M, Art.....	Lincoln
Bennett, Lillian Mae.....	L.....	Pawnee City
Benny, Clarence Roy.....	L.....	Bloomfield
Beresford, Euphemia Melissa.....	L.....	Pickrell

Beresford, John Reuben	Ms.	Pickrell
Berg, Matilda Louise.....	Med	Dannebrog
Berger, Helen V.....	M.	Lincoln
Berkey, Clarence J.....	Law	Davenport
Bernard, Sister Mary.....	M	Council Bluffs, Ia.
Bernstein, Sadie.....	L	Omaha
Bevins, Cynthia Verna.....	L	Cedar Rapids
Bickford, Roy.....	L, Law	Wellfleet
Biddlecombe, Fannie Louise.....	L	Havelock
Biggs, Raymond Albert.....	L	Hartington
Bille, Max Henry.....	A	Palo Alta, Cal.
Billing, Arthur William.....	L	Pawnee City
Billing, Mary Ellen.....	L	Pawnee
Birchall, Sara Hamilton.....	L	Kansas City, Mo.
Bishop, Denis Clyde.....	L	Superior
Bishop, Edward Charles.....	L	Lincoln
Black, Edna.....	M	Bloomington
Black, Sherman Eugene.....	L, Law	Quitman, Mo.
Blackburn, Jay C.....	A	Arlington
Blackstone, Harry C.....	I	Craig
Blake, Carroll.....	L	Lincoln
Blanchard, Horace.....	A	Cotesfield
Blanchard, Jane May.....	L	Omaha
Blanchard, Warren Holden.....	A	Friend
Blanchard, William Hewitt.....	I	Friend
Blatchford, Thomas Walter.....	A	New Castle
Blezek, John W.....	Law	Randolph
Bliss, Vergil Conner.....	I	Ashland
Bockes, George E.....	I	Central City
Bockes, Thomas Willis.....	L	Central City
Bodley, Sara Janet.....	L	Lincoln
Boehmer, Edwin Christian.....	L	Lincoln
Boggs, James Eflo.....	Med	Lincoln
Bohannon, Clifford Lyman.....	I	Elmwood
Bohrer, Beseie F.....	L	Kearney
Bohrer, Charles Homer.....	L	Lincoln
Bohrer, Irene Constance.....	L	Kearney
Bollard, Donald Chamberlain.....	I, Art	Omaha
Bollen, Lee George.....	A	Laurel
Bolles, Charles Milton.....	I	McCook
Bolling, John August.....	A	Ft. Crook
Bonekemper, Wilhelm Bridges.....	L	Lincoln
Boose, Clara.....	M	Falls City
Boose, Etta June.....	L	Falls City
Bordner, Evan Guy.....	L	Stanton
Borg, Charles Theodore.....	L, Law	Looking Glass
Booth, Blanche.....	M	Billings, Mont.
Bortis, Winifred Anna.....	L	Glenville
Boston, Clyde Thomas.....	Med	Lincoln

Boostrom, Emil August	I.	Lincoln
Bothwell, Annie L.	M.	Lincoln
Bothwell, Ella May	L.	Lincoln
Botts, Cora Imogene	S.	Blue Springs
Bouchard, May A.	M.	Tamora
Bourke, Mary Edith	D.	Omaha
Bovee, Henry Hopkins	I.	Norfolk
Bovee, William James	L.	Norfolk
Bowen, Abba Willard	L.	Omaha
Bowen, Oran Rishel	G.	Lincoln
Bowers, Emily Katzenbach	L.	Lincoln
Bowers, Marie	M.	Lincoln
Bowman, Elmer Kenneth	I.	Lawrence
Bowman, Oscar Rufus	G.	Lincoln
Boyd, Elsa Elizabeth	S.	Hastings
Boyd, Katherine	S.	Oakland
Brace, Louise Kingsley	L.	Lincoln
Bracelen, Mary Margaret	L.	Humboldt
Brach, Ena Charlotte	L.	Hastings
Bradford, Harry Elwyn	L, M.	Minden
Bradley, Walter Hitchcock	I.	Blair
Bradshaw, Thomas LeVerne	Med.	Superior
Brady, John David	L.	Nebraska City
Brady, Reed Gass	I.	Attica, Ind.
Branson, Charles Blaine	Med.	Kearney
Bratt, Frances	L.	Genoa
Brayton, Harriet Louise	L.	Lincoln
Brenizer, Elizabeth	L.	Broken Bow
Brewster, Imogene	L.	Beatrice
Brewster, Paul Raymond	I.	Irvington
Brewster, Rose Blanche	L.	Beatrice
Brich, Abbie	L.	Weston
Brich, Frank Joseph	I.	Weston
Bridenbaugh, Bertha	L.	Hartington
Bridenbaugh, Nellie	L.	Hartington
Bridge, Ernest Lee	L.	Norfolk
Bridge, Grace Irene	G.	Lincoln
Bridge, Helen Margaret	L.	Norfolk
Briggs, Florah May	L.	Pawnee City
Briggs, Edwin Maurice	L.	Lincoln
Briggs, James Franklin	A.	Hooper
Brigham, Byron Deane	Med.	Tamora
Brigham, Erle Winfield	I.	Alexandria
Brigham, Marion Edna	L.	Shelby
Brinton, Wendell Phillips	A.	Lincoln
Bristol, Oswald Christian	A.	Waco
Britton, Blanche S.	M.	Trenton
Broady, Jefferson Hoover	Law.	Lincoln
Broady, Joyce	L.	Lincoln

Brockman, Otto Henry August.....	A.....	West Point
Brockway, Paul Lemon.....	I.....	Humboldt
Brookings, Frank Colton.....	L.....	Tekamah
Brown, Alpheus Clarence.....	M.....	Lincoln
Brown, Bertha May.....	L.....	Lincoln
Brown, Charles S.....	L.....	University Place
Brown, Edna.....	Art.....	Lincoln
Brown, Edwin Harrison.....	I.....	Lincoln
Brown, Ethel.....	S.....	Tilden
Brown, Fred Martin.....	I.....	Fremont
Brown, George Fitch.....	I.....	Geneva
Brown, Georgia May.....	S.....	Sterling
Brown, Grace Griffin.....	Art.....	Arbor
Brown, John Marshall.....	A.....	Scribner
Brown, Mamie Ellen.....	L.....	Fremont
Brown, Martha Ann.....	Art.....	Lincoln
Brown, Mortimer Jay.....	I.....	Chester
Brown, Sadie.....	S.....	Central City
Brown, William Tarbell.....	A.....	Scribner
Browne, Clifford Willis.....	I.....	McCook
Brubaker, Harvey Austin.....	L.....	Hendley
Bruner, Psyche Ellen.....	I.....	Lincoln
Bryan, Charles Hugh.....	L.....	Fillmore, Mo.
Bryan, Ruth Baird.....	S.....	Lincoln
Buchan, Alice Arlene.....	I.....	Aurora
Buchanan, Laura Finney.....	L.....	Hastings
Buchanan, Minnie S.....	D.....	Auburn
Buchanan, William Ryburn.....	Law.....	Auburn
Buchanan, William Walter.....	A.....	Syracuse
Buchler, Elsie.....	M.....	Sterling
Buck, Holger Rasmussen.....	A.....	Marquette
Buck, Pearl Margaret.....	L.....	Wisner
Buckner, Emory Roy.....	L.....	Lincoln
Buckner, Minnie Katherine.....	L.....	Lincoln
Buffington, George Alpheus.....	Law.....	Hartington
Builta, Frand Chesterfield.....	L.....	Burchard
Buis, John.....	Med I.....	Holland
Bullock, Laura Geneva.....	L.....	Lincoln
Bunce, Grace.....	L.....	Hastings
Bunt, Jane Alton.....	L.....	Fremont
Burg, Carrie Christine.....	S.....	Dallas City, Ill.
Burg, Robert Andrew.....	I.....	Grand Island
Burgess, Clarence Herman.....	A.....	Inavale
Burk, Margaret.....	M.....	Lincoln
Burkhardt, Jesse Bisch.....	G.....	Charles City, Ia.
Burket, Ethel.....	M.....	Lincoln
Burkey, Charles Rogy.....	I.....	Ulysses
Burlingame, Edith.....	M.....	Lincoln
Burlingame, Nettie Laura.....	L.....	Sutton

Burnham, Louise	L, Art	Lincoln
Burns, Donald C.	I	Wilsonville
Burns, Myrtle	M	South Omaha
Burr, William Wesley	I	Lincoln
Burrows, Margaret	L	Lincoln
Burt, Alice	I	Superior
Burt, Roy Clark	I	Albion
Buschow, Max Louis	A	Montana
Busfield, Jesse Beane	L, Art	Osmond
Bush, Pauline Elvira	L	Ceresco
Butcher, Todd Daulton	A	Lincoln
Butler, Edith Mary	L	Lincoln
Butler, Maud A.	M	Geneva
Butler, Myra Hubbard	S	Woodsville, N. H.
Butler, Omer Edmund	Art	Red Cloud
Butler, Paul Revere	L	Lincoln
Butler, Thomas J.	L	Lincoln
Caillet, Clyde Curtis	L	Macedonia, Ia.
Caley, Jesse R.	I	Creighton
Calhoun, C. F.	A	Springfield
Calhoun, Roy Spearman	I	Lincoln
Callanan, Emma	M	Lincoln
Callanan, Fannie C.	M	Lincoln
Calvert, William Robert	L	Richfield
Cameron, Glen Roy	Law	Palmyra
Campbell, Charles William	L	Fullerton
Campbell, George Alexander	I	McCook
Campbell, John Knox	S	Liberty
Campbell, Malcolm Peter	Law	Lead, S. D.
Campbell, Ralph Sylvester	L	Madison
Campbell, Roscoe	Med.	Mt. Ayr, Ia.
Campion, William Joseph	Med.	Beaver Crossing
Canning Nannie	L	Lincoln
Canom, Claire L.	M	Lincoln
Cantrall, Charles McKee	G	Raymond
Carder, Everett B.	M	Waterbury, Conn.
Carlisle, Watt R.	A	Bradshaw
Carnes, Foss DePaw	I	University Place
Carney Bertha	L	Sutton
Carney, Samuel Gray	L	Sutton
Carns, Rachel Florence	L	Lincoln
Carpenter, Gilbert Elmo	L	Omaha
Carpenter, Ray Agustus	I	Franklin
Carson, Glen Irvin	I	Geneva
Carson, Henry Raymond	S	Alliance
Carter, Alfred Ellsworth	I	New York City, N. Y.
Case, Montgomery Babcock	I	Omaha
Case, Nina Augusta	L	Endicott
Case, William Merritt	Law	Bloomfield

Casey, Evangeline Anne.....	L.....	Pawnee City
Cassady, Ralph Sears.....	L.....	Denison, Ia.
Castor, Ada M.....	M.....	Wilber
Catlin, Clifford Norman.....	G.....	Nemaha
Cattle, Alice Muriel.....	S.....	Seward
Cattle, Frederick Gordon.....	I.....	Seward
Cauger, Maude Estelle.....	L.....	Lincoln
Caughey, Lois Emelyn.....	L.....	Lincoln
Chace, Edwin Ruthven.....	A.....	Stanton
Chain, Frank Leroy.....	Law.....	Fairbury
Chamberlain, Edgar Melvin.....	I.....	Edgar
Chapman, Florence P.....	M.....	Lincoln
Chappell, George Washington.....	A.....	Elsmere
Chappell, Jessie Alice.....	L.....	Lincoln
Chappell, Rena Jane.....	G.....	Lincoln
Charlton, Albert Tutton.....	Med, I.....	Ord
Charlton, William A.....	L.....	Lincoln
Chase, Carl Fred.....	A.....	Pawnee City
Chase, DeWitt Clinton.....	Law.....	Ft. Crook
Chase, Leon Wilson.....	I.....	Pawnee City
Chatburn, George Richard.....	G.....	Lincoln
Cheney, Gilbert Ward.....	L.....	Bee
Chessington, Aura May.....	L.....	Lincoln
Chessington, James Buell.....	I.....	Lincoln
Christie, Mabel.....	D.....	Omaha
Christie, Ralph Conklin.....	I.....	Omaha
Christy, Edgar.....	L, Med.....	Scribner
Ciochon, Charles Stanislaw.....	I.....	Ord
Clapp, Charles Willard.....	S.....	Elmwood
Clark, Anderson William.....	G.....	Omaha
Clark, Beatrice Virginia.....	L.....	Wahoo
Clark, Ben Maurice.....	I.....	Lincoln
Clark, Ethel Cecelia.....	L, Art.....	Tecumseh
Clark, Floyd Milton.....	L.....	Chadron
Clark, Grace Agnes.....	L.....	Lincoln
Clark, Herbert Anthony.....	G.....	Lincoln
Clark, Ira Joseph.....	Med, I.....	McCook
Clark, James Alfred.....	Law.....	Craig
Clark, John Davidson.....	L.....	Cheyenne, Wyo.
Clark, John Elliott.....	I.....	Cambridge, O.
Clark, John Levi.....	L.....	Columbus
Clark, Lucy May.....	G.....	Tecumseh
Clark, Mildred Fuller.....	L.....	Omaha
Clark, Nellie Elizabeth.....	L.....	Lincoln
Clark, Rita Sally.....	L.....	Omaha
Clark, Rose Bertha.....	L.....	Pawnee City
Clark, Shiles Ernest.....	L.....	University Place
Clark, Willard LeRoy.....	L.....	Stromsburg
Claussen, Anna Dorothy.....	L.....	Shelby, Ia.

Clay, William Henry	Law.....	Holdrege
Clements, Edith Schwartz	G.....	Lincoln
Clements, Frederic E.....	M.....	Lincoln
Cline, Martha	L.....	Minden
Clineburg, William August	A.....	Tecumseh
Coad, Arthur Lawrence	A.....	Omaha
Coale, Walter Bedell.....	I.....	Bennet
Coats, Albert James	I, Med....	Grand Rapids Mich.
Coburn, Myrtle Raper.....	L.....	Pawnee City
Cochran, Nelia	M.....	Lincoln
Cochran, Roy Edwin.....	L.....	Lincoln
Coffman, Walter Jenks.....	S.....	University Place
Colby, Burton Enos.....	L.....	Brownlee
Cole, Carrie M.....	M.....	Aurora
Cole, Cyrus Lester	I.....	Lincoln
Cole, Edna Ellen	L.....	Omaha
Cole, Lillian Belle	L.....	Plattsmouth
Cole, Viva Victoria	L.....	Britt, Ia.
Collings, Edward Zanes	I.....	Beaver City
Colvin, Arba Daniel.....	A.....	Gothenburg
Colwell, Ethel May	L.....	Lincoln
Congdon, Allan Ray	G.....	Weeping Water
Conger, Amy	L.....	Hillsdale, Ia.
Conkling, Harold W.....	L.....	Tekamah
Conkling, Ralph D.....	Med.....	Tekamah
Conley, Frank Wellington.....	A.....	Bennington
Conley, Scott Leo	I.....	Gilmore
Conlon, Sue	I.....	Lincoln
Constancer, Julia Gregg.....	L.....	Lincoln
Cook, Ada Ruth	L.....	Lexington
Cook, Bessie H.....	M.....	Lincoln
Cook, Mrs. W. B.	Art.....	Lincoln
Cooke, Hugh J.....	I.....	Missouri Valley, Ia.
Cooper, Eva Merle	L.....	Humboldt
Cooper, Olive Ena	Art.....	Lincoln
Cooper, Theodore.....	A.....	Seward
Cooper, Warren Bollinger	A.....	Seward
Copeland, Fred S.....	I.....	Stanford
Copeland, Oren Sturman.....	L.....	Lincoln
Coppock, Grace Lydia	L, Art	Superior
Corbet, Catherine Ellen.....	L.....	Lincoln
Corder, Annie Grace	L.....	Creston, Ia.
Corlett, George Milton	Law.....	Monte Vista, Colo.
Cornelius, John M.....	A.....	Humboldt
Cornelius, Logan	A.....	Humboldt
Cornelius, Milton Eugene.....	L.....	Lincoln
Cornell, Clare Brown.....	I.....	Lincoln
Cornell, Maud E.....	M.....	Lincoln
Cornwell, Elsie.....	M.....	Deadwood, S. D.

Corr, Ray Thomas.....	I.....	Staplehurst
Coryell, William Harlan.....	L.....	Omaha
Cosner, Pearl.....	L.....	Merna
Costelloe, Martin Francis Paul.....	I.....	Alexandria
Cotton, Charles Edgar.....	L.....	Syracuse
Cottrill, Roy Eldon.....	A.....	Skidmore, Mo.
Courtney, Irene Geraldine.....	L.....	Lincoln
Cowan, Charles Frederick.....	Law.....	Boulder, Mont.
Cowan, Lena.....	L.....	Ashland
Cox, Gilbert Oliver.....	A.....	Bladen
Cox, Mabel A.....	M.....	Lincoln
Crabill, Ansil Burnett.....	L.....	Red Cloud
Crabtree, William Abel.....	A.....	Eagle
Craft, Charles Playford.....	Law.....	Aurora
Crago, Alfred.....	L.....	University Place
Craig, Alice Rowena.....	Art.....	Craig
Craig, Edith Lillian.....	L.....	Craig
Craig, Hugh Wise.....	L.....	Reserve, Kan.
Craig, Mary Haynes.....	L.....	Craig
Cramb, Arthur Benjamin.....	L.....	Fairbury
Cramer, Dwight Lewis.....	I.....	Omaha
Cramer, Mabel.....	L.....	Hastings
Cramer, William Glenn.....	A.....	Boone
Crawford, Hubert Morton.....	I.....	York
Creekpaum, Louisa S.....	M.....	Ulysses
Creekpaum, Emily G.....	M.....	Ulysses
Crites, Edwin Darling.....	I.....	Chadron
Crittenden, Cornelia W.....	M.....	Lincoln
Crocker, Lloyd Oscar.....	Law.....	Filley
Cronin, Neil Michael.....	Law.....	Sutton
Crooks, Roy Burt.....	I.....	Lincoln
Crosby, Clara Keller.....	L.....	Lincoln
Crouch, Howison.....	I.....	Wyoming
Crowley, Edward Xavier.....	I.....	Friend
Culbertson, William Edward.....	Law.....	Delevan, Ill.
Cullen, Peter Cavin.....	S.....	Wahoo
Cully, Ada.....	M.....	Hookstown, Pa.
Culver, Eugene Lewis.....	Law.....	Albion
Culver, Fred Davison.....	L.....	Lincoln
Curl, Lillian.....	M.....	Lincoln
Curlee, Grace.....	M.....	Bartley
Curran, John Cleveland.....	L.....	Shenandoah, Ia.
Curier, Henry Charles.....	I.....	Woodville
Curtice, Helen B.....	M.....	Lincoln
Curtice, Norman B.....	M.....	Lincoln
Curtis, Charles Edwin.....	I.....	Minden
Cutshall, Lewis Alexander.....	I.....	Shelby, Ia.
Cutter, Frances Elizabeth.....	L.....	Lincoln
Dabelstein, Martin.....	A.....	Waterloo

Daikers, Anna.....	M.....	Marysville, Kan.
Dalley, Thomas Edward	Med.....	Lincoln
Dalley, William Alexander.....	A.....	Lincoln
Dallas, James Andrews	S.....	Atlantic, Ia.
Damon, Corris Mabel	L.....	Omaha
Damon, Edna Lucy.....	L.....	Mason City, Ia.
Daniell, Alvin Richardson	A.....	Stanton
Dann, Albert.....	M.....	Lincoln
Darling, Mae.....	S.....	South Omaha
Darling, Vera Sara.....	S.....	South Omaha
Daughters, Britannia R.....	L.....	Lincoln
Daughters, Milo Reason.....	L.....	Lincoln
Davenport, Harold M.....	A.....	Lincoln
Davidson, James.....	I.....	Springfield
Davidson, James H.....	A.....	Lincoln
Davidson, Jay Brownlee.....	L.....	Douglas
Davidson, John L.....	L.....	Springfield
Davidson, Roscoe Blaine.....	Law.....	Tecumseh
Davies, George Stanley.....	I.....	Blair
Davies, Mary Emily.....	G.....	Tecumseh
Davies, Sara.....	G.....	Tecumseh
Davis, Alice.....	L.....	Lincoln
Davis, Claude Asa.....	Law.....	Lead, S. D.
Davis, Clyde Lindsly	I.....	Minden
Davis, Edgar Franklin.....	Law.....	Lexington
Davis, Ellery Lathrop.....	L.....	Lincoln
Davis, Elsworth Morris.....	L.....	Trenton
Davis, Elmer Orville.....	I.....	Emerald
Davis, Eunice.....	L.....	Plattsmouth
Davis, Joyce.....	L.....	Nehawka
Davis, Margaret.....	G.....	Lincoln
Davis, Mary Myrle.....	G.....	Pawnee City
Davis, Nora Monterey.....	L.....	Lexington
Davis, Olin Lotis.....	A.....	Pawnee City
Dawe, Margaret Estes	L.....	Lincoln
Dawson, James Wilber.....	A.....	Broken Bow
Dawson, Ralph Ward.....	A.....	Lincoln
Day, Vincent Alph.....	Law.....	Johnstown, Pa.
Day, Warren French.....	I.....	Beatrice
Dayton, Frank Thompson.....	Med, I.....	Lincoln
Dayton, Mabel Alice.....	L.....	Lincoln
DeBey, John Gerard.....	Med, I.....	Holland
Debler, Bruno Erdman.....	I.....	Beatrice
Decker, Jay D.....	Med.....	Council Bluffs, Ia.
DeCou, Robert Austin.....	L, Med.....	Lincoln
DeLacy, George Lewis.....	Law.....	Lincoln
Delatour, Eugene	L.....	Lewellen
Dellecker, Zola Nancy.....	L.....	Omaha
Dempster, Roy Paxton.....	Med.....	Omaha

Dennis, Margaret Clara.....	L.....	Lincoln
Denny, Floss.....	M.....	Lincoln
Denny, Frank Earl.....	L.....	Lincoln
Denny, Glaideth Gainevere.....	L.....	Lincoln
Denny, Grace Goldena.....	D.....	Lincoln
Denslow, Lloyd.....	I.....	Hooper
Denton, Agnes Stephens.....	Art.....	Lincoln
DeVore, Minnie Mary.....	L.....	Lincoln
Deweese, Julia Blanche.....	L.....	Lincoln
Dewell, Seba.....	L.....	Lincoln
Deyo, Jude.....	M.....	Lincoln
DeYoung, Dirk P.....	L.....	Lincoln
Dickinson, John William.....	I.....	Omaha
Dickinson, Joseph.....	L.....	Howell
Dickinson, Verle.....	M.....	Gresham
Dickman, Lloyd Lavern.....	A.....	Lincoln
Diehl, Mabel Edith.....	L.....	Nickerson
Dierks, Laura.....	M.....	Lincoln
Dildine, Harry Augustus.....	L.....	Kearney
Dill, Bertice Ivan.....	I.....	Franklin
Dill, Byron Edgar.....	S.....	Tecumseh
Dill, Earl Philip.....	A.....	Belvidere
Dill, Martha A.....	M.....	Thedford
Dillard, Hubert.....	A.....	Union
Dillard, Tracy L.....	A.....	Union
Dilworth, Maude A.....	L.....	Omaha
Dimmitt, Edith E.....	M.....	Wymore
Dinsmore, Susan Belle.....	G.....	Hebron
Dobson, Mrs. Adna.....	Art.....	Lincoln
Dobson, William Albert.....	S.....	Edgar
Dobson, William Henry.....	I.....	Cedar Rapids
Dolan, Ollie Margaret.....	L.....	Omaha
Dolson, Helen Merrill.....	L.....	Lincoln
Dolson, Mrs. L. J.....	Art.....	Lincoln
Domingo, Ellen Louise.....	L.....	Weeping Water
Donaldson, Arthur Norman.....	A.....	Stromsburg
Donaldson, Florence Lauvina.....	L.....	Stromsburg
Dopson, Olive E.....	M.....	Newman Grove
Dorrington, John William.....	I.....	Falls City
Dort, Charles Lloyd.....	L.....	Pawnee City
Dorwart, Jason Watson.....	Med.....	Friend
Doty, Jesse Larch.....	A.....	Hastings
Doubrava, Ethel May.....	L.....	North Bend
Douglas, Howard Walter.....	A.....	Waco
Douglas, Mai Field.....	L.....	Lincoln
Dovey, Claire Jane.....	L.....	Plattsmouth
Downes, Nate Worsure.....	I.....	Fairbury
Downey, William Fuller.....	A.....	Fairbury
Doyle, Jessie Agnes.....	L.....	Lincoln

Drain, Dale David.....	L.....	Lincoln
Drake, Edwin David.....	L.....	North Platte
Drake, Fannie Adrienne.....	S.....	Broken Bow
Drapela, John William.....	A.....	Stanton
Driscoll, Dean.....	L.....	Craig
Druse, Dott M.....	G.....	Lincoln
DuBois, Ernest Blois.....	A.....	San Rafael, Cal.
DuBois, Henry Augustus.....	A.....	San Rafael, Cal.
Ducker, Emma Estelle.....	M.....	Red Cloud
Ducker, Jessie M.....	M.....	Red Cloud
Duer, Charles Bedford.....	L.....	Hastings
Dumont, Raymond Ebersola.....	L.....	Omaha
Dumont, Bess Inez.....	L.....	Omaha
Duncanson, Henry Bruce.....	G.....	Peru
Dunham, Sidney.....	L.....	Nelson
Dunlay, Robert.....	L.....	Orleans
Dunn, Cooper Morrison.....	L.....	Nebraska City
Dunn, Iva Maud.....	L.....	Syracuse
Dunn, Sara Elizabeth.....	L.....	Syracuse
Duras, Josephine Lucia.....	L.....	Schuyler
Durbin, Florence.....	L.....	Malvern, Ia.
Duteil, Mary.....	Art.....	Lincoln
Duval, Clara May.....	L.....	Atlantic, Ia.
Dworak, Chauncey Walter.....	L.....	Schuyler
Dwyer, Roy Clark.....	L.....	Albion
Dye, Ira Willard.....	L.....	Peru
Eager, Earl Orkney.....	Law.....	Lincoln
Eaman, Edith.....	M.....	Lincoln
Eames, Edith Rexford.....	L.....	Lincoln
Early, John W.....	L.....	Columbus
Eason, Dorothy.....	M.....	Lincoln
Eastman, Cynthia Louise.....	L.....	Moline, Ill.
Eaton, Grace.....	L.....	Lincoln
Eaton, Mary Mavrette.....	S.....	Kearney
Eatough, Katherine Louise.....	L.....	Lincoln
Eby, Charles Daniel.....	Med.....	Grand Island
Eccles, Grace.....	L.....	Beatrice
Eccles, William Raymond.....	L.....	Beatrice
Edgerton, James Edgar.....	L.....	Lincoln
Edgren, Arthur.....	L.....	Lincoln
Edholm, May Grace.....	L.....	Omaha
Edmisten, Blanche.....	Art.....	Lincoln
Edmisten, Grace F.....	M.....	Normal
Edmondson, Rufus Aron.....	A.....	Lincoln
Edmunds, Raymond Swezey.....	L.....	Central City
Edwards, James Archibald.....	Med.....	Glenwood, Ia.
Edwards, Hugh Roberts.....	L.....	Lincoln
Edwards, Odeth Branch.....	L.....	Lincoln
Egge, Margaret Elsie.....	G.....	Grand Island

Ehlers, Caroline M.....	M.....	Lincoln
Ehlers, Harvey William.....	A.....	Cheney
Ehlers, John Henry.....	A.....	Bennet
Eisenmann, Louise Wilhelmina.....	L.....	Julian
Elledge, Grace May.....	L.....	Mt. Clare
Elliott, Newell James.....	Lit.....	Beatrice
Ellis, Inez.....	G.....	Lincoln
Ellis, John Samuel.....	S.....	Villisca, Ia.
Ellis, Oscar Asbury.....	L.....	Panama
Elmen, Gustave Waldemar.....	G.....	Lincoln
Elmendorf, Eleanor.....	M.....	Lincoln
Elmendorf, George Frank.....	I.....	Lincoln
Elmgren, David Emmanuel.....	L.....	Lincoln
Emerick, Jessie D.....	M.....	Lincoln
Emerson, Anna.....	L.....	Sioux Falls, S. D.
Emerson, Clarence.....	Med.....	Tamora
Emerson, Maud Effie.....	L.....	Lincoln
Emery, Lorene.....	M.....	Lincoln
Empey, Ernest Sidney.....	Med.....	Papillion
England, Minnie Throop.....	G.....	University Place
England, William Henry.....	G.....	University Place
English, Lula.....	M.....	Lincoln
Ensign, Alice Baird.....	G.....	Lincoln
Epplen, Frederick.....	Med.....	Omaha
Erford, Ethel Pearl.....	L.....	Lincoln
Erford, Flossy D.....	L.....	Lincoln
Erickson, Alma Dorothea.....	L.....	Oakland
Erickson, Robert Theodore.....	A.....	Funk
Ernst, Flora Grace.....	L.....	Omaha
Essex, Susie Etta.....	L.....	Lincoln
Etting, Alma Christina.....	L.....	Grand Island
Evans, Bessie Lucile.....	Art.....	Lincoln
Evans, Grace Alice.....	L.....	Kenesaw
Evans, John.....	A.....	Barneston
Everett, Claire Alfred.....	A.....	Scotts Bluffs
Everett, Inez.....	L.....	Lincoln
Everett, Oliver W.....	Med.....	Lincoln
Ewalt, Magnolia Elizabeth.....	L.....	Falls City
Ewing, Paul Albert.....	L.....	Lincoln
Exley, Charles Arthur.....	L.....	Lincoln
Fairchild, Nora May.....	Med.....	Kennard
Fairman, Fred Filo.....	I.....	Hastings
Fallert, William Fred.....	A.....	Holbrook
Fantom, Effie A.....	M.....	Lincoln
Farley, Louis.....	I.....	Bancroft
Farnsworth, George Elmer.....	I.....	Albion
Farnsworth, Jessie Snow.....	S.....	Lincoln
Farnsworth, Minnie Sarah.....	L.....	Lincoln
Farnsworth, Salina Esther.....	Med, I.....	Lincoln

Farrell, Maude Edna.	L.	Broken Bow
Faulhaber, Marie Helen.	S.	Lincoln
Faulkner, Cora May	D.	Lincoln
Faulkner, Edwin Jerome.	Law	Lincoln
Favinger, Hubert Franklin.	Law	Roseland
Fawcett, George Lorenzo.	I.	Lodge Pole
Feather, Hattie.	M.	David City
Fee, Orville Jackson.	G.	Fullerton
Fellers, Elbert Wesley	Med.	University Place
Felton, Nellie Amelia.	S.	Lincoln
Fenlon, John Arthur.	I.	David City
Ferguson, George Henry	I.	Lincoln
Ferguson, Inger N.	M.	Lincoln
Ferguson, Sarah Jane.	L.	Lincoln
Ferris, Grace G.	M.	Lincoln
Field, Allan Wescot.	L.	Lincoln
Field, Edith Caroline.	L.	Lincoln
Field, Georgia Baldwin.	L.	Lincoln
Field, Otis Sikes.	A.	Lincoln
Findley, Ray Hansen	I.	Omaha
Finnigan, Mary Agnes.	S.	Waverly
Finlay, Ethan Clyde.	S.	Greenwood
Finlay, Goldena Dolores.	L.	Greenwood
Finlay, Sylvia Imogene	S.	Greenwood
Fisher, James Tucker.	Law	Hastings
Fisher, Clara Lucretia.	L, Art.	Hastings
Fisher, Mabel Sarah.	L.	Lincoln
Fitzgerald, Pearl.	L.	Omaha
Flake, William Edward	I.	Bellwood
Flansburg, Harry Ernest	I.	Lincoln
Flansburg, Leonard A.	L, Law	Lincoln
Fleming, Ivan Ellsworth	Art.	Lincoln
Fleming, Margaret Jane	L.	Sutton
Fleming, Thomas Nicholas.	L.	Sutton
Fletcher, Raymond Garland.	I.	Lincoln
Fling, Maude.	S.	Lincoln
Fling, Helene Dresser.	Art.	Lincoln
Flowers, Lucretia Ella	S.	Lincoln
Fodrea, Genevieve.	M.	Lincoln
Fodrea, Pearl K.	M.	Lincoln
Follmer, Florence F.	M.	Lincoln
Folts, Louis Carey	L.	Lincoln
Forward, Floyd Frederic.	A.	Prairie Hill, Mo.
Fossler, Christine.	G.	Lincoln
Fossler, Lois Beatrice.	L.	Lincoln
Fossler, Mabel.	L.	Lincoln
Fossler, Margaret.	G.	Lincoln
Foster, Cecelia Agnes.	L.	Greeley Center
Foster, Fred Charles.	L.	Lincoln

Foster, Harold Oscar	I.	Omaha
Foster, Kate	L.	Lincoln
Foster, Mary Eliza	L.	Union
Fowler, Clara Wood	S.	Lincoln
Fox, John Monroe	I.	Colon
Fox, Theodore William	S.	Valparaiso
Foxwell, Gertrude Harris	L.	Plattsmouth
Foxwell, Jessamine Pearl	Art.	Lincoln
Frankforter, Clarence Jackson	I.	Lincoln
Franklin, Earle Lester	A.	Eustis
Frauen, John J.	A.	Grand Island
Frazeur, Phillip Asbury	A.	Ft. Crook
Frazier, Bayard Rhodes	I.	Lincoln
Frazier, Josie Pearl	L.	Omaha
Frerichs, Herman W.	L.	South Auburn
Fricke, Lena Wilhelmina	L.	Plattsmouth
Friedman, Samuel	I.	Omaha
Friend, Gertrude	M.	Lincoln
Frum, Ada	M.	Shelby, Ia.
Fulk, Joseph Richard	S.	Holdrege
Fuller, Eva	M.	University Place
Fuller, John Andres	Med.	Omaha
Fulmer, Luella	S.	Lincoln
Fulton, Clifford Robert	I.	Havelock
Furry, Cameron	A.	Franklin
Gabel, Alice Hermine	L.	Aurora
Gail, Floyd Whiting	S.	Franklin
Gaiser, Nora Hanna	L.	Lincoln
Gale, Helen	M.	Lincoln
Gardner, Minnie Esther	L.	Auburn
Garland, Harry Sanborn	Med.	Harland, Ia.
Garoutte, Gladys Lucile	D.	Lincoln
Gates, Cecil Clark	I.	Lincoln
Gates, Frank Vernon	Med.	Glidden, Ia.
Gates, Walter Charles	A.	Pharsalia, N. Y.
Gatzmeyer, Otto Joseph	L.	Bancroft
Geer, Francis Howard	I.	Columbus
Geeting, Fannie Mary	L.	Lincoln
Gellatly, Kate Heddens	Art.	Lincoln
Gelston, George Melville	A.	Elk City
Gericke, Else	L.	Lincoln
Gericke, Martha	L.	Lincoln
Gettle, William Luther	I.	Steinauer
Gibb, John James	A.	Staplehurst
Gibbons, Richard, Michael	L.	Wescott
Gibbs, Jesse Berthold	I.	Beatrice
Gibson, Benjamin Joseph	Law	Nodaway, Ia.
Gibson, Evaline Frances	M.	Cozad
Gibson, Grace	L.	Auburn

Gibson, Katherine Emily.....	L.....	Weeping Water
Gibson, Nellie Blanche.....	S.....	Cozad
Gifford, Arthur Bedford.....	Med.....	Lincoln
Gilbert, David Bennett.....	L.....	Fremont
Gilbert, Fred Ellis.....	A.....	Grand Island
Gilpin, Johnathan Delbert.....	L.....	Pender
Gittings, Ina.....	L.....	Superior
Gleason, Clyde Stoddard.....	L.....	Fullerton
Glick, Helen.....	L.....	Omaha
Glover, Clara Mabel.....	G.....	Gordon
Glover, Florence Alma.....	G.....	Gordon
Goecke, Fred William.....	A.....	Germantown
Golden, John Parnell.....	L.....	O'Neill
Golder, Lucy May.....	I.....	Scribner
Goldman, Soloman.....	I.....	Lincoln
Goodding, Leslie Newton.....	I.....	Laramie, Wyo.
Goodfellow, Eunice.....	M.....	Ashland
Goodrich, Mary Irene.....	L.....	Table Rock
Goodrich, Thomas Victor.....	L.....	Table Rock
Gordon, George Snowden.....	A.....	Scribner
Gordon, Tobie Agnes.....	L.....	Lincoln
Gore, Roscoe Clair.....	I.....	Tecumseh
Goss, Paul.....	S.....	Normal
Gould, Doda.....	G.....	Fullerton
Gould, Lodema.....	L.....	Fullerton
Gould, Marguerita.....	M.....	Lincoln
Gould, Victor Raymond.....	I.....	Omaha
Gourlay, Edith.....	L.....	Nelson
Graham, Floyd Newell.....	Ms.....	Lincoln
Graham, Herbert Eldon.....	I.....	Beatrice
Gramlich, Ralph Gifford.....	Med. I.....	South Omaha
Gratz, Ida Fredericka.....	S.....	Lynch
Graves, Eliot Varnum.....	I.....	Kearney
Graves, Fannie Louise.....	L.....	Shelton
Gray, Bernice Ada.....	L.....	Omaha
Gray, Justus Burney.....	I.....	Cedar Rapids
Green, Arthur Millroy.....	A.....	Pawnee City
Green, Bertha Louise.....	L.....	Lincoln
Green, Dorothy.....	L.....	Lincoln
Green, Edna DeEtte.....	D, Art.....	Lincoln
Green, Gertrude.....	M.....	Palmer
Green, James Arleigh.....	I.....	Benedict
Green, Walter Callier.....	S.....	Lincoln
Green, William Dator.....	I.....	Beaver City
Greene, Sarah Virginia.....	L.....	Lincoln
Gregg, Hazel Marguerite.....	L.....	Red Oak, Ia.
Greenwald, Guy Preston.....	L.....	Falls City
Grell, Herman Clans.....	A.....	Chalco
Greves, Grace.....	L.....	Lincoln

Griffin, Mabel Esther.....	S.....	Lincoln
Griffin, Thomas Dexter.....	Law.....	Superior
Griffith, George Parmer.....	G.....	Pawnee City
Griffith, John Lawrence.....	I.....	Omaha
Griffith, Olive.....	L.....	Pawnee City
Griggs, Burt.....	Law.....	Lincoln
Griggs, Nellie.....	M.....	Lincoln
Grimes, Grace.....	M.....	Utica
Grimm, Dora Joy.....	L.....	Roca
Grimm, Joseph Lee.....	L.....	Wilber
Grinnell, John Beckley.....	A.....	Papillion
Grinnell, Josiah Beckley.....	I.....	Papillion
Groff, Helen Amelia.....	S.....	Lincoln
Grubb, George Albert.....	L.....	Pawnee City
Guile, Henry Franklin.....	Law.....	Lincoln
Guilfoil, Marjorie.....	M.....	Hyannis
Gunnirson, Mae.....	M.....	Lincoln
Gunnison, Mae Anna.....	L.....	Aurora
Gurney, Charles Edward.....	A.....	Red Cloud
Gurney, Ethel.....	M.....	Hillsdale, Mich.
Guseker, Leonard Frederick.....	I.....	Lincoln
Gustin, Laura Belle.....	D.....	Cheyenne, Wyo.
Guthrie, Edwin Ray.....	L.....	Lincoln
Gutleben, Christian Theophil.....	L.....	Emerald
Hacker, Edith.....	L.....	South Auburn
Haddox, Elbert Ray.....	L.....	Central City
Hadley, Claude R.....	Law.....	Shelby, Ia.
Hadley, Marcia Jean.....	L.....	Shelby, Ia.
Hadley, Ned E.....	Art.....	Lincoln
Hagensick, Edmund Herbert.....	I.....	Lincoln
Haggard, Amy E.....	L.....	York
Haggard, Carrie Irene.....	G.....	York
Haggard, Eddith Lavina.....	L.....	York
Hainer, Julia.....	L.....	Aurora
Hainer, Laura.....	L.....	Aurora
Hake, Ray Smith.....	Law.....	Kearney
Hale, Charles Augustus.....	A.....	University Place
Hale, Flossie.....	M.....	University Place
Hall, Asa LeRoy.....	Law.....	Naponee
Hall, Daniel Crosby.....	G.....	Brooklyn, N. Y.
Hall, Ellsworth Wesley.....	A.....	Tekamah
Hall, Marion B.....	M.....	Lincoln
Hall, Mary Camille.....	L.....	Lincoln
Hamer, Mary Louise.....	L.....	Lincoln
Hamill, Robert Anderson.....	L Med.....	Blue Hill
Hamilton, Irene.....	G.....	Omaha
Hamilton, Lillian May.....	L.....	Minden
Hamilton, Sara.....	L.....	Kansas City, Mo.
Hamilton, William Garfield.....	I.....	Minden

Hammel, Floyd J.	L.	Lincoln
Hammond, Anna	L.	Lincoln
Hammond, Clara	S.	Lincoln
Hammond, Hal R.	A.	Belvidere
Hanna, Leo Gregory	Med. I.	Providence, R. I.
Hancock, Henry Ellsworth.	I.	Lincoln
Hand, Mary Ethelwyn.	L.	Omaha
Hanlen, John Greer Leroy	L.	Tilden
Hanley, Fred R.	L.	Mankato, Kan.
Hanley, Minnie Ellen	L.	Lincoln
Hanlon, Emmaline Mary.	L.	Harvard
Hanlon, Joseph Edward.	A.	Inland
Hannah, Margaret Louise.	L.	Tilden
Hansen, Scena.	L.	St. Paul
Hanson, Daisy May	Med.	Lincoln
Hanson, George H.	M.	Lincoln
Hardman, Harry H.	Law.	Sheridan, Wyo.
Hardy, Arthur Sherburne.	I.	Omaha
Hardy, Cora Belle	L.	Lincoln
Harger, John Ross.	S.	St. Edward
Hargreaves, Gladys Rose.	L.	Lincoln
Hargreaves, Harry Gladstone.	I.	Lincoln
Harmes, Lydia Pearl	Art.	Lincoln
Harnly, Earl Russell.	A.	Edgar
Harpham, Edna May	L.	Lincoln
Harris, Ada M.	M.	Blue Springs
Harris, Celia Ellen.	L.	St. Louis, Mo.
Harris, Mabel.	L.	Crete
Harris, Mary Turner.	I.	Omaha
Harris, Russell Stimpson.	I.	Omaha
Harrison, Clinton H.	A.	Lincoln
Harrison, Paul Wilberforce	Med. I.	Scribner
Harrison, Philip John	L, Law.	Weeping Water
Hart, Carrie.	M.	Lincoln
Hart, Harriet	L.	Sioux Falls, S. D.
Hart, John Franklin.	Med.	Hastings
Hart, Marion Smith.	Art.	Lincoln
Hart, Marvin Lawrence.	Law	Fairchild
Harter, George Washington	A.	Stockham
Harter, Leonard L.	G.	Odell
Hartigan, Gilmore	L.	Hastings
Hartley, Carl Pierce	L.	Lincoln
Hartley, Harry Kilpatrick	I.	Lincoln
Hartzell, Walter Luers.	I.	Lincoln
Harvey, Albert Lee.	I.	Foster
Harvey, Glenn Andrew	L.	Lincoln
Harwood, Nathalie Dorrance.	L.	Lincoln
Haskell, Charlotte Laura.	L.	Wakefield
Haskell, Earl Stanley	A.	Lincoln

Hassett, Altha Elizabeth	L	Tecumseh
Hassler, Otis Wakefield	L	Pawnee City
Hastie, Arthur Garfield	I	Auburn
Hatcher, Claudia Belle	L	Indianola
Hauser, Howard Ernest	I	Beatrice
Havens, James Henry	I	Minden
Hawes, Annie	G	Lincoln
Hawkins, Florence Dean	L	Humboldt
Hawxby, Elizabeth	L, Art	Nemaha
Hay, Margaret	M	Lincoln
Hayman, Stephen Alcinous	I	Grand Island
Haynes, Ethel	L	Lincoln
Hayward, Frank Sumner	Law	Vinton, Ia.
Haywood, Clarence V.	A	Tekamah
Hazen, Roy	Law	Lincoln
Hazlewood, Anita	L	Lincoln
Hazlewood, Arthur John	I	Lincoln
Hazlewood, Mildred	L	Lincoln
Heacock, Elizabeth Thorne	L	Falls City
Heacock, Kate May	L	Falls City
Hearn, Alberta	M	Lincoln
Heath, Mary O	M	Lincoln
Heath, Walter Fred	I	Bellwood
Hedelund, Albert	I	Blair
Hedges, Ernest Wood	A	Lincoln
Hedges, George Luther	I	Lincoln
Hedges, Mabel Maude	L	Geneva
Heilman, John Robbin	L	Sterling
Heim, Frederick John	Law	Rome, O.
Heimrod, Albert Adolph	I	Omaha
Heine, William Howard	Med	Hooper
Heinke, George Henry	L	Talmage
Heinsheimer, Jeannette	D	Glenwood, Ia.
Helpenstine, Anna Lola	G	LeGrand, Ia.
Helwig, Bessie F.	M	Rising City
Hempel, Loreine Anna	L	Havelock
Henderson, Bertha	L	Fairbury
Hendricks, George Ernest	L	Wahoo
Hendrickson, Clarence Henry	Law	Strand, Ia.
Hendrie, Helen	L	Omaha
Hendry, Horace	M	Lincoln
Henney, William Henry	Med, I	DeSmet, S. D.
Hennies, Fred Henry	A	Adams
Henrich, Ethel	Art	Council Bluffs, Ia.
Henry, Julius Edward	I	Onaga, Kans.
Henry, Ruth	M	Ainsworth, B. C.
Hensel, Elsie J.	L	Lincoln
Hensel, Esther Pearl	G	Lincoln
Heppner, Amanda	M	Lincoln

Herbert, Agnes Runyon	I.	Omaha
Herman, Adolph	I.	Wilber
Herman, John A.	I.	Wilber
Herron, Leonard Smith	L.	Lincoln
Herpolsheimer, Robert	L.	Lincoln
Herrick, Burton Russell	L.	Elm Creek
Herrick, Cora	M.	Lincoln
Herron, Henry Johnson	A.	Ewing
Hersh, Mrs. B. F.	L.	Lincoln
Hershey, John Logan	I.	Beatrice
Hesaker, Lambert Mathews	A.	Humphrey
Hess, Adam Konigsmacher	Law	Council Bluffs, Ia.
Hess, Rosalind May	G.	Pawnee City
Hess, Rolland Holbrook	Ms.	Lincoln
Hewit, George Linus	Med. I.	Friend
Hewitt, Irenaeus Prime	Law	Lexington
Hewitt, Louis Percy	L.	Lincoln
Hewitt, Thomas Miner	Law	Lincoln
Hibner, Aldis Everard	I.	Lincoln
Hickel, Ralph Dee	L.	Ashland
Hicks, Grace E.	M.	Lincoln
Higgins, Leslie Allen	L.	Omaha
Hight, John Wallace	L.	Rockville, Mo.
Hildebrand, Arthur Eugene	S.	DuBois
Hildreth, Beulah	L.	Lyons
Hill, Charles Clifford	I.	Bellwood
Hill, Elijah Curtis Sr.	A.	Dawson
Hill, Elijah Curtis Jr.	A.	Dawson
Hill, Leon Ray	A.	Oakland
Hill, Lima Francis	A.	Oakland
Hill, Raymond Caselle	I.	Beatrice
Hill, Robert Roy	L.	Ohioa
Hiltner, Walter Garfield	I.	Lincoln
Hilton, Blanche Lozeine	S.	Blair
Hilton, David Clark	G.	Bethany
Hilton, John William	G.	Bethany
Hinman, Claude Harrison	L.	Afton, N. Y.
Hinman, Maude Anna	L.	St Edwards
Hirst, Florence Josephine	L.	Central City
Hitchcock, Jennie M.	M.	Lincoln
Hoar, John William	L.	West Point
Hoberg, Minnie Augusta	L.	Spencer
Hodge, Edward D.	Law	Genoa
Hodgman, Stanley H	M.	Lincoln
Hoefer, Anna Carolina	L.	Aurora
Hoel, Faith Lee	L.	Omaha
Hoff, John Christopher	I.	Wisner
Hoffmeister, Bertha	M.	Boulder, Colo.
Hogue, Mary Alice	S.	Grand Island

Hogue, Maud Irene.....	S.....	Grand Island
Hoker, Stella.....	L.....	David City
Holben, Jewell Ferguson.....	Art.....	Spencer, Ia.
Holberg, Minnie.....	M.....	Spencer, Ia.
Holbrook, Carl Nelson.....	Ms.....	Hemingford
Holden, Thomas Kennard.....	L.....	Lincoln
Holland, Edna Sara.....	L.....	Falls City
Hollingworth, Bessie Mahala.....	L.....	Lincoln
Hollingworth, Harry Levi.....	L.....	DeWitt
Holub, James William.....	A.....	South Omaha
Holly, Bertha.....	M.....	Narka, Kan.
Holm, Adolph Hjalmar.....	Med.....	Wolback
Holm, Marie.....	M.....	Lincoln
Holman, Ethel Fred.....	L.....	Tobias
Holman, William Frank.....	I.....	Tobias
Holmes, John Campbell.....	I.....	Omaha
Holmes, Vashta.....	L.....	Lincoln
Holyoke, Robert.....	M.....	Lincoln
Honnold, Arthur Rankin.....	Law.....	Ord
Honnold, Wilmer Harold.....	Ms.....	Ord
Hooper, Retta Florence.....	L.....	Lincoln
Hooton, Mary Bell.....	S.....	Lincoln
Hopkins, Leona White.....	Art.....	Crete
Hopkins, Mabel Kay.....	G.....	Crete
Hoppe, Alvina Pauline.....	L.....	Lincoln
Hopt, Edwin.....	A.....	Cambridge
Hormel, Floyd P.....	M.....	Ulysses
Horn, Andrew A.....	A.....	Funk
Horn, Lewis Miral.....	I.....	Yutan
Horney, William Hackney.....	L.....	Beaver Crossing
Horning, Ticia Blanch.....	L.....	Plattsmouth
Horst, John Paul.....	I.....	Madison
Hoschoner, George Sexton.....	I.....	Friend
Hosic, Alma Sarah.....	G.....	Tecumseh
Hospers, Jacob Christian.....	Med, I.....	Orange City, Ia.
House, Nellie.....	L.....	Pender
Housel, William Alvin.....	Med.....	Bethany
Howard, Bertha Mabel.....	L.....	Lincoln
Howard, Clara Louise.....	L.....	Lincoln
Howard, Cleo Pearle.....	L.....	Pawnee City
Howe, Lola Lucy.....	S.....	Wood River
Howell, Harriet Alice.....	G.....	Lincoln
Howell, Winifred M.....	M.....	Centerville, Ia.
Howie, Ethel Lee.....	L.....	Alliance
Howie, Ida.....	M.....	Peru
Howland, Anna Linnel.....	L.....	Lincoln
Hoxie, Frank Morris.....	A.....	Lincoln
Hromas, Frank John.....	A.....	Weston
Hrubesky, Chauncey Golden.....	I.....	Geneva

Hubbard, Earl Clinton.....	I.....	Lincoln
Hubbard, Edward Garieth.....	A.....	Lincoln
Hudson, Frank.....	M.....	Lincoln
Hudson, Philip.....	M.....	Lincoln
Hudson, Vinda.....	L.....	Lincoln
Huffman, Yale Bryant.....	Law.....	Lincoln
Hugg, Lola Blanche.....	S.....	Ord
Huse, Clarence William.....	I.....	Cozad
Huse, Harold Clinton.....	I.....	Wahoo
Huse, Winifred Blanche.....	G.....	Cozad
Hult, Oscar Nathaniel.....	I.....	Osceola
Hummer, Warren Lee.....	Med.....	Panora, Ia.
Humphrey, Clarence John.....	I.....	Woodbine, Ia.
Hunt, John Homer.....	L.....	Lincoln
Hunt, Lela.....	M.....	Lincoln
Hunter, Alice.....	G.....	Lincoln
Hunter, Frederick Maurice.....	L.....	Blue Rapids
Hunter, Grace Elizabeth.....	L.....	Ponca
Huntington, Florence Helen.....	L.....	Liberty
Huntington, Linn Murdoch.....	I.....	Lincoln
Hupp, Glenn.....	Law.....	McCook
Hurd, Lewis Herman.....	A.....	Raymond
Hurlbut, Henry Salmon Gould.....	I.....	Lincoln
Hurley, Emma Gertrude.....	L.....	Shelton
Hurley, Katherine Aurelia.....	L.....	Shelton
Huse, Helen Mildred.....	L.....	Lincoln
Hussong, Louis Aaron.....	L.....	Lincoln
Husted, Anna Kirstine.....	S.....	Syracuse
Husted, Ella.....	L.....	Lincoln
Hutchinson, Alfred Tennyson.....	A.....	Greenwood
Hutchinson, John Wesley.....	Law.....	Corning, Ia.
Hutton, Harriet Lucile.....	L.....	Lincoln
Hutton, Isabelle Sane.....	S.....	Lincoln
Hutton, John L.....	I.....	Lincoln
Hutton, Thomas Andrew.....	L.....	Lincoln
Huyck, Harry D.....	A.....	Liberty
Hyde, Hazel Hortense.....	L.....	Normal
Hyde, John Fay.....	Med, I.....	Normal
Hylton, J. L.....	M.....	Grenola, Kan.
Hymer, Mary Elizabeth.....	Art.....	University Place
Irwin, Violet Gertrude.....	L.....	Sioux City Ia.
Ivins, Richard Lynn.....	Med, I.....	Omaha
Jackson, Alice Carey.....	L.....	Fairmont
Jackson, James Strashley.....	L.....	Nebraska City
Jackson, John Barnett.....	I.....	Fairmont
Jackson, Mabel.....	L.....	Odell
Jackson, Mary Frances.....	S.....	Lincoln
Jackson, William Roberts.....	G.....	University Place
Jacobs, David Wesley.....	A.....	Lincoln

Jacobsen, John Andrew	A	Marquette
Jacoby, Jonathan Oliver	I	University Place
Jaques, William	Art	McCook
James, David Burt	Med	Lincoln
James, Matilda Otis	L	Nelson
James, Richard Clinton	Law	Dunbar
Jameson, Edward Lester	A	Alliance
Jameson, Mary Alma	L	Lincoln
Jansa, Minnie Maud	L	Wahoo
Janecek, Mary	M	Schuyler
Jay, Laurence	I	Dakota City
Jeep, Victor I	L	Tekamah
Jeffers, Bertrand Frederick	Med	Valentine
Jeffers, May	M	Aurora
Jeffrey, Ella Margaret	S	Greenwood
Jeffrey, Mary Louise	L	Greenwood
Jenkins, Muir Tease	A	Lincoln
Jenkins, William Gibson	I	Fairmont
Jenkinson, Edward D	A	Monroe
Jenne, Ralph Horace	L	Falls City
Jennings, Addie Lyman	L	Table Rock
Jennings, Avery Graham	Law	Council Bluffs
Jennings, Charles William Holman	Law	Lincoln
Jensen, Val	L	Minden
Jessen, Rubie Maude	L	Omaha
Jewell, Zella Eugenia	L	Lincoln
Johnson, Bernhardina	L	Omaha
Johnson, Blanche Taylor	L	Lincoln
Johnson, Caroline Christine	L	Marquette
Johnson, Chris	A	Cordova
Johnson, Clarence Anthony	I	Minden
Johnson, Clarence Gardner	I	Lincoln
Johnson, Edward	G	Toronto, S. D.
Johnson, Eleanor Moliere	L, Art	Lincoln
Johnson, Frederic William	Law	Woodriver
Johnson, Lula	M	Lincoln
Johnson, Minnie	Art	Lincoln
Johnson, Oscar	I	Crawford
Johnson, Pauline	M	Lincoln
Johnson, Ruth	M	Lincoln
Johnson, Theodore Thomas	Law	Lincoln
Johnston, Eldon Thomas	Med, I	Omaha
Johnston, Frank Martin	I	Omaha
Jones, Annie Elizabeth	L	Lincoln
Jones, Audrey Leila	L	McCook
Jones, Gayle, E	M	Wayne
Jones, Isaac Benson	I	Salem
Jones, Louise Elizabeth	I	Lincoln
Jones, Lucy Josephine	L	Sidney

Jones, Paul Robert.....	I.....	Lawrence
Jones, William Morrow Beach.....	L.....	Dunbar
Jones, Wallace Edward Lee	A	Inavale
Joyce, Frank.....	L.....	Dunlap, Ia.
Kafka, Joseph Rudolph.....	A.....	Beemer
Kannon, Amanda Charlotte.....	L.....	Alma
Karrer, Fred William.....	M	Osceola
Kauffman, Myrtle.....	D.....	Rokeby
Kehler, Mary.....	M.....	Davey
Keifer, Guy.....	M.....	Lincoln
Kelley, James Madison.....	L.....	Macedonia, Ia.
Kellogg, Ernest Clinton.....	S.....	Collegeview
Kellogg, Roy Burdette.....	L.....	Bellwood
Kelly, Margaret Marie.....	L.....	Lincoln
Kimnish, Nathan Andrew.....	I.....	Woodbine, Ia.
Kenagy, Anna Gertrude.....	L.....	Lincoln
Kendall, Kate	D.....	Lincoln
Kendall, Valerius Horatio.....	I.....	Superior
Kendrick, Joan.....	M.....	Marsland
Kendrick, Marcia Philancy.....	L.....	Marsland
Kennedy, Charles Rex.....	Med.....	Plattsmouth
Kennedy, James Royce.....	I.....	University Place
Kennedy, Nellie May.....	L.....	Lincoln
Kern, Maria Bertha.....	L.....	Pawnee City
Kern, Walter McCullough.....	G.....	Columbus
Kerns, Myra Lillian.....	L.....	Table Rock
Kerr, Dundy Alexandria	L.....	Salem
Kerr, Johnston Harper.....	Med.....	Akron, Ia.
Kerr, Merritt Milton.....	I.....	University Place
Keyes, Chester Guy.....	L.....	Springfield
Keyser, Alvin.....	I	Fairbury
Keyser, Harry.....	L.....	Bower
Keyser, Val.....	I.....	Bower
Kiesselbach, Rudolph Phillip.....	L.....	Normal
Kiesselbach, Sophia Dorothea.....	L.....	Normal
Kiesselbach, Theodore Alexander.....	L.....	Normal
Kile, Roy David	I.....	Lincoln
Kilgore, Gaylord Vincent.....	L.....	Collegeview
Killian, Mamie.....	M.....	Wahoo
Kimball, Katherine	M.....	Lincoln
Kimball, Katherine.....	M.....	Lincoln
Kimball, Marjory.....	M.....	Lincoln
Kimball, Willard Perkins.....	L.....	Lincoln
Kimmel, Katherine Sara.....	L.....	Lincoln
Kimmel, Luther Martin.....	Law.....	Lincoln
Kincaide, Gertrude.....	Art.....	Lincoln
Kind, Josephine Lottridge.....	L.....	Lincoln
King, Benjamin Kenelm.....	I.....	West Point
King, Edna Browniug.....	L.....	Lincoln

King, Elizabeth McBride.....	L.....	Council Bluffs, Ia.
King, Lulu Ellis.....	L.....	Lincoln
King, Wilford Isbell.....	L.....	Wilford
Kingsbury, Elizabeth.....	G.....	Lincoln
Kinyon, Susie.....	L.....	Raymond
Kirk, John Reams.....	Med.....	Burr Oaks, Kan.
Kirtley, Flora E.....	M.....	Hot Springs, S. D.
Kirwan, Richard Burke.....	Law.....	Wayne
Klein, Ethel.....	L.....	Lincoln
Klingerman, Paul Lester.....	I.....	University Place
Klinker, Mary Margaret.....	Art.....	Lincoln
Knapp, Charles Taylor.....	Law.....	Minden
Kneisell, Nora Louise.....	L.....	Lincoln
Knight, Emma Howell.....	D.....	Lincoln
Knutson, Anton Henry.....	Law.....	Blair
Knutzen, Julia Parnella.....	L.....	Kearney
Koch, Adele.....	L.....	West Point
Koch, Arthur William F.....	I.....	Malcolm
Koch, Clara May Barbara.....	G.....	LaGrange, Mo.
Knode, Ray Archibald.....	Med.....	Omaha
Kohout, Joseph A.....	Med.....	Wilber
Konop, Thomas Frank.....	Law.....	Stangleville, Wis.
Korner, Gertrude Fern.....	L.....	Blue Springs
Kotouc, Otto.....	L.....	DuBois
Kraft, Clara Katherina.....	M. S.....	Syracuse
Kragh, Neils.....	I.....	Lexington
Krajicek, Stanley.....	L.....	Alliance
Krake, Leigh Seward.....	I.....	West Point
Kreidler, Lema M.....	L.....	Fullerton
Kreidler, Mamie.....	L.....	Fullerton
Krenz, Elmer.....	A.....	Merna
Kretsinger, Story Otto.....	I.....	Beatrice
Krikorian, Karekin Karnik.....	L.....	Tarsus, Turkey
Kryder, John Frederick.....	I.....	Dorchester
Kuhn, Christian August.....	A.....	Farwell
Kuhn, Soren Sorensen.....	A.....	Farwell
Kurtz, Noah Vilas.....	Law.....	Courtland
Kuser, William Larsh.....	Law.....	Lincoln
Lacey, Clyde Ernest.....	I.....	Weeping Water
Lader, George Fred.....	A.....	Crete
Lahoda, Emmet Joseph.....	A.....	Cornlea
Lahr, Albert Leroy.....	L.....	Lincoln
Laird, Fred Chester.....	Law.....	Tabor, Ia.
Lally, Eleanor.....	L.....	Lincoln
Lambe, Edward James.....	Law.....	Ulysses
Lambert, Schuyler Colfax.....	I, M.....	Neligh
Landis, Edith Sallie	L.....	Waverly
Landis, Gladis May.....	L.....	Waverly
Landkamer, Levi Abraham.....	A.....	Alexandria

Lane, Arthur Ernest.....	Med.....	Council Bluffs, Ia.
Lane, Fletcher.....	L.....	Lincoln
Lane, Rilla.....	S.....	South Omaha
Langevin, Charles Victor.....	L.....	Hastings
Lanphear, Veda Lily.....	L.....	Ashland
Lansing, Jessie.....	L.....	Omaha
Lansing, Luella Amelia.....	L.....	Ashland
Lantry, Laura May.....	L.....	Blair
Lantz, George V.....	I, Law.....	Kearney
Lapp, Henry Dean.....	I.....	Nelson
Lapp, Leota.....	L.....	Nelson
Larimer, Susie R.....	M.....	Raymond
Larson, Ernest Seth.....	E.....	Gothenburg
Lathrop, Susan Adele.....	L.....	Lincoln
Lauer, Hazel.....	D.....	Lincoln
Lauffer, Myrtle Emma Armita.....	I.....	Fairbury
Laughlin, Addah.....	M.....	Lincoln
Lautenschlager, George W.....	A.....	Swanton
Lauzer, Edward S.....	Med.....	Hutchinson, Minn.
Lawson, Albert Bruce.....	L.....	Malmo
Lawson, Grace Letitia.....	L.....	Santee
Lazure, Charles Basil.....	A.....	Fort Calhoun
Leach, Frank Fenton.....	I.....	Fullerton
Leaders, John August.....	A.....	Fort Crook
Leahy, Helen Margaret.....	L.....	Wayne
Leaming, Lucy Emeline.....	S.....	Decatur
Lee, Dessie May.....	L.....	Humboldt
Lee, George Arthur.....	Law.....	Humboldt
Lee, George Ernest.....	I.....	Harvard
Lee, Montrose Lucius.....	L.....	Omaha
Lee, Vivian Sylvia.....	L.....	Shelton
Leech, Hiram.....	I.....	Syracuse
Lefler, Charles Millard.....	Law.....	South Omaha
Lefler, Millard Charles.....	Law.....	Elmwood
Legro, Leo Stanley.....	L.....	South Omaha
Leisy, Malinda Henrietta.....	L.....	Lincoln
Leisy, Irwin O.....	L.....	Wisner
Lemmon, Roselle L.....	M.....	Spearfish, S. D.
Lesh, William Walter.....	L.....	Lincoln
Lesong, Frank Carl.....	A.....	Hickman
Levy, Albert Melvin.....	L.....	Lincoln
Lewis, Burdette Gibson.....	L.....	Omaha
Lewis, Georgia L.....	L.....	Sheridan, Wyo.
Lewis, Harvey Nelson.....	Med.....	College View
Lieber, Charles.....	Med.....	Fort Crook
Lienemann, Fred John.....	A.....	Fort Crook
Lightner, Louis Clarkford.....	Law.....	Columbus
Lindberg, James Christian.....	G.....	Lincoln
Linderman, Kathleen Lorraine.....	L.....	Lincoln

Lindly, Wray Alden	I.	Lincoln
Lindquest, Elmer Luther	L	Omaha
Ling, Percy Roys	I.	Harvard
Littel, Clarence Lester	I.	McCook
Little, Marjorie E.	M	Lincoln
Little, Mariam H.	M	Lincoln
Little, Merle	A	Silver Creek
Livesay, Bessie	M	Lincoln
Livesay, Beulah	L, M	Lincoln
Livingston, Mancill Fay	Law	Lincoln
Logan, George Ray	I.	Red Oak, Ia.
Lohman, Frederick	A	Lincoln
Long, Edith	G	Lincoln
Long, Frances Louise	I.	Madison
Long, Jacob Melvin	L	St. Edward
Long, Lucile	L	Lincoln
Long, Stella Ethel	L	Plattsmouth
Longman, Edward Harvey	I.	Bethany
Loomis, Edward Backens	I	Lincoln
Loomis, Lucinda Bills	G	Lincoln
Loretto, Sister Mary	M	Council Bluffs, Ia.
Lorimer, Frank McClenahan	L	Lincoln
Lorimer, Morrison Wallace	L	Lincoln
Losch, Glen Constantine	I.	West Point
Losch, Lulu	L	West Point
Loseke, Edward Gustave	A	Columbus
Lott, Anton Lyman	I.	Omaha
Love, Roma Louise	L	Fremont
Lowe, Iva Jane	L	Falls City
Lowrie, Flora	M	Lincoln
Luckey, Henry Carl	L	Lincoln
Ludden, Arthur Jay	L	Surprise
Ludden, Carrie E.	L, Art	Lincoln
Lumry, Bessie Myra	L	Arcadia
Lumry, Katherine Nettie	L	Fullerton
Lundin, Alfred Helmer	Law	Lead, S. D.
Lute, Anna Maude	I.	Paxton
Lute, Harry Detlef	A	Paxton
Lute, Minnie Alice	D	Paxton
Lyle, Anna Jeannette	L	Wahoo
MacArthur, Walter	M	Lincoln
MacDonald, Kenneth Percy	L	Lincoln
McArthur, Hector	Med	Omaha
McCaig, Mary Irene	L	Ashland
McCall, Frank Edmund	M	Rokeby
McCallum, Herbert Boice	I	Norfolk
McCann, Rose Ann	S.	Dunlap, Ia.
McCarl, Blanche E	M	McCook
McCarl, Ida Mae	L	McCook

McCartney, Herbert Ellsworth.....	A.....	Geneva
McCaw, Raymond Henry	L.....	Liberty
McClay, Fay Inez.....	L.....	Lincoln
McClelland, Mrs. R. S.....	M.....	Emerald
McClintick, Fern Isabella.....	L.....	Primrose
McClintick, Una Elouise	L.....	Cedar Rapids
McComb, Harold Edgar.....	I.....	Wilsonville
McComb, Robert Charles.....	Law.....	Wilsonville
McCormick, Myrtle Frost.....	L.....	Omaha
McCune, Julia Emily.....	L.....	Stromsburg
McCutcheon, Margaret.....	L.....	Ashland
McDaniel, Clara A.....	M.....	Macon, Mo.
McDill, Alice.....	S.....	Hiawatha, Kan.
McDonald, Grundy E.....	Med.....	Pierce
McDowell, Clyde Cavour.....	I.....	Fairbury
McDowell, Millard Allmore.....	G.....	Lincoln
McDuffee, Martin Sylvester	Law.....	York
McEachron, Margaret Amelia	L.....	Omaha
McEachron, N. Allene.....	L.....	Omaha
McElroy, Charles Cooper.....	I.....	Wisner
McGahey, Florence Irwin	G.....	Lincoln
McGeachin, Jean Whiteman.....	L.....	Orleans
McKay, Utie Claire.....	L.....	Lincoln
McKelvey, Brick Pomeroy.....	Law.....	Crawford
McKelvey, Mabel.....	I.....	Alexis. Ill.
McKinnon, Mary Elizabeth.....	L.....	Lincoln
McLaughlin, Edward Patrick.....	L.....	Lincoln
McLaughlin, James Ross.....	Law.....	Missouri Valley, Ia.
McLaughlin, Laura Ida.....	L.....	Omaha
McLennan, Donald Kenneth.....	I.....	Lincoln
McLennan, Nettie.....	M.....	Lincoln
McLucas, Margaret.....	L, Art.....	Fairbury
McMahon, Martin Cornelius.....	Law.....	Kearney
McNamara, Charles John.....	I.....	North Platte
McNeel, Daniel Baker.....	A.....	North Platte
McNeil, Emily E.....	M.....	North Platte
McNicol, John.....	I.....	North Platte
McOmber, Isabel Swobe.....	L.....	Crete
McPhee, Clare Mary.....	G.....	Lincoln
McReynolds, Joseph Carl.....	Law.....	Lincoln
McReynolds, Nannie Virginia.....	I.....	Lincoln
McReynolds, Robert Henry.....	I.....	Lincoln
McVicker, Carrie Pearl.....	L.....	Lincoln
McWhinney, Clyde Calder.....	L.....	Lincoln
McWhinney, Grace E.....	M.....	Lincoln
McWilliams, Cloyd Charles.....	I.....	Chester
Madsen, Charles Morris.....	A.....	Wood River
Magdanz, Albert Frederick.....	L.....	Pierce
Maguire, Margaret Veronica.....	I.....	Wayne

Maher, Ruby.....	M.....	O'Neil
Maher, Thomas William..	L.....	Humphrey
Mallat, Otto.....	L.....	Wilber
Malott, Edgar.....	L.....	Richfield
Manahan, James.....	L.....	Lincoln
Manahan, Minnie Kelley.....	I.....	Lincoln
Mann, Howard Calvin.....	I.....	Hastings
Manning, Albert Chester.....	I.....	Crook
Manrid, Inez Mae.....	L.....	Beatrice
Manrid, Hazel.....	M.....	Lincoln
Mansfield, Ralph John.....	I.....	Wisner
Mantor, Harry Lyman.....	Med, I.....	Cozad
Manville, Leon Albert..	Med.....	Spencer
Mardin, Arnold.....	A.....	DuBois
Marks, Herman August.....	A.....	York
Marquardt, Ida Louisa.....	L.....	Avoca
Marquardt, Minnie Mary.....	L.....	Avoca
Marsh, Arthur Henry.....	L.....	Blair
Marsh, Earle Millard.....	I.....	Omaha
Marsh, Ethel Amelia.....	L.....	Lincoln
Marsh, Genevieve.....	G.....	Lincoln
Marsh, John Estey.....	S.....	Doniphan
Marsh, Maybel.....	M.....	Seward
Marshall, Bertha Florence.....	L.....	York
Marshall, Eugenia.....	S.....	Lincoln
Marshall, George Jefferson.....	Law.....	Riverton
Marsland, Elma S.....	M.....	Lincoln
Martin, Annette.....	M.....	Lincoln
Martin, Edwin O.....	I.....	Havelock
Martin, Homer VanDyne.....	I.....	Lincoln
Martin, Margaret.....	I.....	Bancroft
Martin, Ruth E.....	M.....	Los Angeles, Cal.
Martin, Thomas Henry.....	Law.....	Harvard
Martin, Zota.....	L.....	Lincoln
Martyn, Homer Marshall.....	I.....	Columbus
Marvin, Earl Morton.....	L.....	Beatrice
Marvin, Fern Lucille.....	L.....	Oberlin, Kan.
Mason, Claude William.....	Med.....	Omaha
Mason, Cyrus Pollock.....	I.....	Lincoln
Mason, John Glenn.....	I.....	Lincoln
Mather, Orion Albert.....	L.....	Aurora
Mathers, Albert Newton.....	Law.....	Douglas
Mathew, Robert Henry.....	Law.....	Loup City
Mathewson, Charles Meredith.....	L.....	Winnebago
Matlach, Frank Boleslavus.....	Law.....	Schuyler
Matteson, Fred Hayward.....	A.....	Lincoln
Matthews, Patty Frances.....	L.....	Peru
Matthiesen, Bertha Christine.....	L.....	Blair
Matthiesen, Meta Catherine.....	L, Art.....	Blair

Mattley, Herman Nelson	Law	Omaha
Maxwell, Samuel	I.	Fremont
Mead, Arthur Elting	I.	York
Mecham, Earl Alvin	A.	Lincoln
Meeker, Grace	I, Art	Greenwood
Meeker, Lena Blanche	L.	Greenwood
Meeker, Mary Beatrix	I.	Pawnee City
Meisenbach, Jacob Edward	Med.	Norman
Melick, Mary Almedia	L.	Neligh
Melick, Charles Wesley	I.	University Place
Melick, Emma Pricilla	L.	University Place
Melick, Harry Hastings	L.	Lincoln
Mengedoht, Elsie	L.	Omaha
Mercer, Andrew Jackson	G.	Lincoln
Mercer, William Cowan	I.	Lincoln
Meredith, Bruce Clyde	Med.	York
Meredith, Ernest Louis	Med.	Ashland
Meredith, Fred Forest	Law	Bethany
Merridith, Estelle	Art	Lincoln
Merrill, Lena	L.	Lincoln
Merrill, Lorenzo Burton	Law	Bridger, Mont.
Merritt, Edwin Atkins	Med.	Red Oak, Ia.
Merritt, Nina	L.	College View
Messmore, Elizabeth	L.	Lincoln
Metz, Percy Wendell	Law	Sheridan, Wyo.
Metzger, Amelia Ida	L.	Cedar Creek
Meyer, Charles Louis	I.	Omaha
Meyer, Edward John	A.	Roca
Meyer, Ernest	A.	New Plymouth, Idaho
Meyer, Gustave Adolph	I.	Omaha
Meyer, Leah Louise	L.	Lincoln
Meyer, Martha	M.	University Place
Meyer, Oscar Maxwell	Law	Lincoln
Meyer, Pauline E.	M.	Lincoln
Mickey, Bessie	M.	Lincoln
Middleton, James Abraham Garfield	A.	Gothenburg
Mielenz, Arthur Henry	I.	Wahoo
Milek, John Thomas	Law	Sturgis, S. D.
Miles, Edythe	M.	Grafton
Miles, George F.	G.	Madison
Miles, Stephen Boyd	L.	Falls City
Miller, Alice	L.	Lincoln
Miller, Charles Clayton	L.	South Omaha
Miller, Claude Eugene	A.	Big Springs
Miller, Clinton James	Med.	Kennedy, S. D.
Miller, Emma May	L.	Lincoln
Miller, Florence E.	M.	Lincoln
Miller, Frank H.	I.	Surprise
Miller, Frederick William	I.	Weeping Water

Miller, Gertrude	L.	Beatrice
Miller, Iowa Frances	S.	Clearport, O.
Miller, John Holdman	L.	Lincoln
Miller, John William	I.	Friend
Miller, Louise	G.	Queen City, Mo.
Miller, Mary Katherine	L.	Davenport
Miller, Mamie	G.	Lincoln
Miller, Nellie Gilbert	L.	Lincoln
Miller, Raman Albert	L.	Greenwood
Milliken, Lyle David	I.	Fremont
Milliken, Lauren D.	I.	Hastings
Mills, David L.	I.	Lexington
Mills, George Arthur	I.	Lexington
Mills, John	G.	Chicago, Ill.
Mills, Robert Selwyn	I.	Ashland
Minor, Ralph Vern.	I.	Nelson
Mitchell, Elizabeth Eleanor	L.	Lincoln
Mitchell, Harriet M.	L.	Omaha
Mitchell, Joseph Clark	L.	Eustis
Mitchell, Ormah Rudolph	I.	Waverly
Mixer, Esmer Myrtle	L.	Lincoln
Mogan, Gerhard John	L.	Lincoln
Mohrman, Charles Augustus	L, Law	Geneva
Molony, James Roby	Law	Humbolt
Monroe, Ernest Franklin	Law	Brattleboro, Vt.
Montgomery, Edward Gerrard	I.	Firth
Montgomery, Ida Margaretta	G.	Tower City, N. D.
Moore, Arthur Russel	L.	Beaver City
Moore, Annie	L.	Red Oak, Ia.
Moore, Cleone	L.	Lincoln
Moore, Emily Gertrude	L.	Lincoln
Moore, Guy Andrew	Law	Ohiowa
Moore, Jessie Ruth	L.	Lincoln
Moore, John Clyde	Med.	Omaha
Moran, Ellen Sarah Honora	D.	Lincoln
Morgan, Effie Leona	L.	Fullerton
Morgan, Kelso Albert	L.	Lewis, Ia.
Morgan, Lillian Farrell	S.	Missoula, Mont.
Morgan, Mary	S.	Crow Agency, Mont
Morgan, Mary Warren	L.	Omaha
Morrell, Emma Enid	L.	Palmyra
Morrell, Minnie Maurita	L.	Palmyra
Morrell, Frederick Walter	G.	Palmyra
Morris, Frances Louise	L.	Rapid City, S. D.
Morris, George Henry	Med.	Creston, Ia.
Morris, Ida	M.	Lincoln
Morris, Nellie	S.	Oakdale
Morrison, Estelle Rees	L.	Lincoln
Morrison, George Andrew	Med.	Bradshaw
Morrison, Harvey Archie	G.	College View

Morrison, John Kelly	Law	Gretna
Morrison, Harvey Archie	A.	College View
Morrow, Frank Henry	Med, I.	Atkinson
Morse, Clarence Leslie	I.	Harvard
Morse, Leighton Byron	G.	Grinnell, Ia.
Morseman, Leslie W.	Med.	Omaha
Moser, Walter Alfred	I.	Lincoln
Mosher, Jessie	L.	Lincoln
Moss, Roy Lewis	L.	Ashland
Mosshart, George	M.	Lincoln
Mouck, William Quinn	L.	Creston, Ia.
Mudra, Will	L.	Lincoln
Mueller, Hattie Minnie	L.	Omaha
Muir, Mabel	L.	Lincoln
Munday, Darlyne	Med.	Edison
Mundy, Louise Easterday	Art.	Lincoln
Munger, Ruth	M.	Lincoln
Munn, Ohio Nebraska	I.	University Place
Murphy, Eleanor Gibson	D, Art.	Crete
Murphy, Joseph Allen	I.	Crete
Murray, Hazel Moye	Art.	Lincoln
Mussetter, Martha Grace	L, Art.	Lincoln
Myers, Arthur Independence	L.	Broken Bow
Myers, Eda Bernice	L.	Lincoln
Myers, Edwin Francis	L.	Broken Bow
Myers, Herbert Greenleaf	L.	Broken Bow
Nash, Lucile Geneva	L.	Eddyville
Naughtin, Patricia Louise	I.	Omaha
Naylor, Elizabeth Mary	L.	Falls City
Neal, John	A.	Crete
Needham, Daisy Jeannette	L.	Bostwick
Needham, Lawrence Kenneth	I.	Bostwick
Neely, Henry Fay	L.	Omaha
Neff, Cora Elizabeth	S.	Grand Island
Nefsky, Charles C.	Ms.	Lincoln
Neidhart, Amelia	M.	Beatrice
Neilson, Allan Samuel	I.	Milwaukee, Wis.
Neimoller, Gertrude	M.	Monroe
Nelson, Arthur Julius	A.	Lincoln
Nelson, Candis Jane	L.	Shenandoah, Ia.
Nelson, Charles Jelmar	I.	Oakland
Nelson, Harry Alvin	I.	Oakland
Nelson, Neil David	Med.	Laramie, Wyo.
Neumann, Gustav Adolph	L.	Lincoln
Newell, Jesse Dawson	A.	Columbus Junction, Ia.
Newton, Bernard A.	I.	Stamford
Nicholson, Rachel Lloyd	L.	Lincoln
Nickerson, Agnes Eleanor	L.	St. Edward
Nider, William Henry	I.	Fairbury

Nielsen, Anna Caroline	L.....	Omaha
Nielsen, Frederick Kenelm.....	Law	Omaha
Nilsson, Henry Oscar	I.....	Omaha
Nissley, Mary Adda.....	S.....	Sterling
Northup, Homer Harvey.....	Law.....	Lincoln
Norval, Ethel.....	L.....	Seward
Noyes, Robert Edgar.....	I.....	Fremont
Noziska, Ernan Dominick.....	A.....	Atkinson
Nugent, George Francis.....	M.....	Kimball
Nye, Alfred Leo.....	L.....	Kearney
Nye, Mark Alva.....	Med.	Lexington
Oberst, John Thomas Jr.....	A.....	Tekamah
O'Connell, Ethel.....	L.....	Tecumseh
O'Connell, Ethyle Mandane.....	L.....	Lincoln
O'Connor, Bessie Kathryn.....	L.....	Lincoln
O'Connor, James Francis.....	Law.....	Missouri Valley, Ia.
Oehme, Joanna.....	M.....	David City
O'Gara, Patrick Joseph.....	Law.....	Laurel
O'Gara, Peter Francis.....	Law.....	Laurel
Ogden, Marian.....	Art.....	Lincoln
Olson, Albert Ralph.....	A.....	New Castle
Olson, Eddie Martin.....	Med.....	Orleans
O'Meara, Ellen	L.....	Minden
Opie, Ernest Lynch	I.....	Lincoln
Orcutt, Joseph Chaddock.....	L.....	Lincoln
Orlofsky, Anna.....	L.....	Lincoln
Orr, George Clements.....	A.....	Dakota City
Ortman, Robert August Henry	A.....	Pender
Orton, Olive Inez.....	L.....	Carson, Ia.
Osborne, Rena.....	L.....	Pawnee City
O'Shea, Bessie.....	M.....	Lincoln
O'Shea, Nellie.....	M.....	Lincoln
Osmotherly, Helen.....	S.....	Hot Springs, S. D.
O'Sullivan, Malachi.....	I.....	West Point
Overstreet, Susie P.....	M.....	Lincoln
Owen, Walter Lew.....	Law.....	Medicine Lodge, Kan.
Oxnam, William Grant.....	I.....	Norfolk
Page, William T.....	M.....	Lincoln
Pagels, Anna Charlotte	L.....	Beatrice
Paine, Andrew Everett	Med, I.....	Lyons
Paine, James Howard.....	I.....	Lyons
Paine, Sarah Elizabeth.....	L.....	Lyons
Palen, Archibald E.....	I.....	Niobrara
Palmer, Claude.....	Med.....	Pacific Junction, Ia.
Palmer, Ellen Jeannette.....	L.....	Lincoln
Palmer, Louise Murray	L.....	Lincoln
Palmer, William Roy.....	I.....	Red Oak, Ia.
Palmquest, Laura	M.....	Lyons
Panter, Robert Carpenter.....	Med.....	Dorchester

Park, Estelle B.	L.	Bolivar, Mo.
Park, Fred Weimar	G.	Lincoln
Parker, Harry Theodore	I.	Wilsonville
Parkinson, Anne Elizabeth	L.	Cozad
Parks, Mildred Amia	G.	Lincoln
Parmalee, Bessie May	L.	Lincoln
Parmenter, Elza	A.	Kenesaw
Parr, Frank Willis	I.	Mapleton, Ill.
Pascoe, Paul	A.	Fremont
Pate, Walter Romney	S.	Grafton
Patterson, Edgar Clay	Law	Lincoln
Patton, James McDowell	Med.	Bloomfield
Paul, Blanche Addie	M.	Wakefield
Paul, Charles Fred	A.	Creighton
Paul, John Milford	Law	Wakefield
Paul, Laurence Addison	L.	Henderson, Ia.
Payne, Charles Kenneth	I.	Schuyler
Payne, Eugene Irvin	I.	Craig
Payne, George Elmer	A.	Kalo, Ia.
Pearse, Arthur Sperry	G.	Omaha
Pearson, Anna	L.	Lincoln
Pearson, Arthur Lambert	I.	Lincoln
Pearson, Gustaf Adolph	I.	Funk
Pearson, Peter Henry	G.	Lindsborg, Kan.
Pedersen, Hans Christian	Med	Dannebrog
Pedersen, Peter Marius	Med	Dannebrog
Pederson, Chester James	Ms.	Waterloo
Pedrett, Ulrich	A.	Kimball
Pembrook, Ralph Arthur	I.	Harvard
Pendarvis, Lena M	M	Friend
Penfield, Nathaniel Louis	Med, I.	St. Edwards
Penner, Henry Gerhart	Med	Beatrice
Penner, Louis	Med	Beatrice
Penrod, William Edward	I.	Billings, Mont.
Pentzer, Jennie Blackburn	L.	Lincoln
Pepoon, Mabel	L.	Lincoln
Pepperburg, Leon Joseph	L	Plattsmouth
Pepperburg, Roy V	I.	Plattsmouth
Perry, Frank D.	I.	Norfolk
Peters, Gus William	I.	Springfield
Peters, Josiah Guy	I	Lincoln
Petersen, Nels Frederick	L	Plainview
Peterson, Anna Augusta	L.	Emerson
Peterson, Carl Edelbert	Law	Bertrand
Peterson, Frank August	L	Lincoln
Peterson, Fred Ferdinand	A.	Herman
Peterson, James Carl	A.	Inavale
Peterson, John Claude	A.	Terry, S. D.
Peterson, Peter	Law	Emerson

Peterson, Victor	I	Emerson
Petr, Francis	Med	Clarkson
Petrashek, Minnie Josephine	L	Humboldt
Pettis, Dorothy	M	Lincoln
Pettis, Edward F	M	Lincoln
Pettis, Marian H	M	Lincoln
Pettycrew, Earl Milton	A	Valentine
Petz, Henry August	A	Nelson
Peyton, Robert M	A	Creighton
Pfeiffer, Laura Belle	G	York
Pfeiffer, Luther Oscar	Law	Creston, Ia.
Phelan, Kathryn	S	Mead
Phelps, Sarah Louise	S	Schuyler
Phillips, Frank Thomas	I	Lincoln
Phillips, Nellie	S	Cozad
Pickens, Plato	A	Powell
Pickup, Bellie Buncher	L	Lincoln
Pieper, Johannes Karl	I	Hooper
Pierce, Alma Laura	S	Lincoln
Pierce, Cora Alice	L	Blair
Pierce, Etta Virginia	L	Lincoln
Pierce, Martha Lily	Art	Lincoln
Pierce, Minnie Josephine	I	Oxford
Pierce, Roy Gifford	L	Lincoln
Pierce, William Dwight	L	Lincoln
Pierce, Walter Edward	A	Havelock
Pillsbury, Marguerite B	L	Lincoln
Pinkerton, Bertha Emaline	G	Lincoln
Pipal, Frank John	L	South Omaha
Piper, Elsie Ford	L	Lincoln
Piper, Helen Moria	L	Lincoln
Piper, Jennie Louise	L	Lincoln
Pitchford, George Leonard	I	Cedar Rapids
Platz, Ada	Med	Lincoln
Pochon, Frederick Adolph	A	Sheridan, Wyo.
Polevoy, Nina	Med	Vermillion, S. D.
Pollard, Julian Addison	L	Nehawka
Pollard, Julian J	L	Nehawka
Pollard, Lottie M	M	Nehawka
Pollock, John Donold	I	Lincoln
Pollock, Rachel Isabelle	L	Wilsonville
Pool, Raymond John	I	Weeping Water
Pool, Venus Worrell	Med, I	Lincoln
Pope, Ethel Elma	L	McCook
Porter, Adeline Mae	L	Central City
Porter, Margaret Edla	L	Central City
Posay, William Arthur	I	Hubbell
Pospisil, Charles	Ms	Prague
Pospisil, Jerome Benjamin	Law	Dodge

Post, Herbert Wilson	L.	Lincoln
Post, Lillian Igurna	Art.	Lincoln
Post, Mildred Claire	L.	York
Poston, Harry	L.	Lincoln
Potter, Bertha Belle	L.	Red Cloud
Potter, George Benjamin	Med.	Omaha
Potts, John Beekman	Med.	Pawnee City
Pound, Olivia	G.	Lincoln
Poynter, Josephine	M.	Lincoln
Pratt, George P.	M.	Lincoln
Prentice, Philip Boynton	L.	Fairfield
Preston, Emma	M.	Aurora
Prescott, Allen Zollars	Law	Lincoln
Prest, John Elry	Med.	McCool Junction
Price, Gertrude	M.	Albion
Price, Harriet Trevett	L.	Lincoln
Price, Mary Gertrude	L.	Albion
Price, Ruth Amelia	L.	Fairbury
Prichard, George Winthrop	M, L.	Pawnee City
Pritchard, Fred J.	I.	Lincoln
Prout, Vera Julia	L.	Lincoln
Pryor, Ralph Hubert	Law.	Shelby, Ia.
Pruner, William H.	Med.	Kennard
Pugsley, Charles W.	I.	Lincoln
Purcell, Charles Henry	L.	North Bend
Purcell, John Ralph	L.	North Bend
Purviance, Percy	L.	Normal
Putnam, Frank Israel	Med, L.	Omaha
Putnam, Miles	A.	Cowles
Pyrtle, Emma Ruth	L.	Lincoln
Quaintance, Adaline May	L.	Lincoln
Quereau, George Henry	Law	Kearney
Quick, Frank Pierce	Law	Lincoln
Quillin, William Edward	I.	Grand Island
Quinn, Clarence Elias	L.	Burchard
Raasch, Martin	L.	Norfolk
Raber, Lester Hale	I.	Lincoln
Racely, Wilbur A.	I.	Lincoln
Radcliffe, Belle	I.	Lincoln
Rademacher, Gertrude Clara	L.	Crete
Rader, Maude Josephine	I.	York
Rainbow, William Charles	L.	Omaha
Ramsey, Mervie	A.	Trumbull
Ramsey, Will Crites	L.	Plattsmouth
Randall, Ethel Elizabeth	L.	Oberlin, Kan.
Rands, Sarah Jane	L.	Falmouth, Ky.
Rankins, Lester Whitman	Ms.	Lincoln
Rankins, Willis Aubrey	Law	Lincoln
Rantsma, Warren Franklin	I.	Salem

Rathburn, Merle Connor.....	Law.....	Lincoln
Ray, Charles Wayne.....	G.....	Alliance
Ray, Ralph.....	L.....	North Platte
Raymond, Donald Augustus.....	L.....	Lincoln
Raymond, Ruth Baird.....	L.....	Lincoln
Record, Pearl Esther.....	Art.....	Osmond
Records, Frank L.....	A.....	Fairbury
Redfern, Alfred Sylvan.....	L.....	Auburn
Redfern, Doc Leonard.....	Med.....	Auburn
Redfern, Elsworth Lonejoy.....	I.....	Macedonia, Ia.
Redington, Helen Dora.....	L.....	Omaha
Reed, Harry F.....	Law.....	Omaha
Reed, Vinnie.....	M.....	Comstock
Rees, Henrietta McKoon.....	L.....	Omaha
Rees, Samuel.....	L, Law.....	Omaha
Reid, James Augustus.....	L.....	Primrose
Reider, Jacob.....	I.....	deceased
Reiff, George Washington.....	A.....	Holmesville
Reimer, Emma Matilda.....	A.....	Vim
Reimer, John Detlef.....	A.....	Vim
Reimers, John Frederick.....	A.....	Millard
Remster, Alva.....	Law.....	Alpena, S. D.
Reynolds, Beatrice Bartlett.....	L.....	Lincoln
Reynolds, Grace.....	M.....	York
Reynolds, Lillie Ethel.....	L.....	Lincoln
Reynoldson, Addie.....	L.....	St. Edwards
Rhea, Nella Mae.....	L.....	Lexington
Rice, John Doherty.....	L.....	Central City
Richard, Alice Luella.....	I.....	Bennet
Richards, Myers.....	A.....	Silver Creek
Richards, Benjamin John.....	I.....	Hastings
Richards, Edward Everett.....	Law.....	University Place
Richards, Margie.....	L.....	Lincoln
Richards, Marie A.....	M.....	Weeping Water
Riddell, Celia B.....	M.....	Lincoln
Ridgeway, Wista.....	M.....	Lincoln
Riechers, Roxy.....	M.....	Adams
Rieth, Pauline Kathrine.....	L.....	Denton
Righter, Edward McEwan.....	A.....	Lincoln
Righter, Fred Baxter.....	Law.....	Lincoln
Rine, Charles William.....	I.....	Fremont
Ring, Penelope Patch.....	L.....	Lincoln
Ringer, John Dean.....	Law.....	Lincoln
Rinker, Casper Lucas Abel.....	I, Med.....	Lincoln
Riseley, Ina Edith Fay.....	L.....	Lincoln
Ritchie, Charles David.....	Law.....	North Bend
Ritterbush, Winifred Oakford.....	L.....	Nelson
Rivett, Harry Logan.....	I.....	Lincoln
Robbins, Edith Lillian.....	Lincoln.....	Lincoln
Roberts, Barton Bellangee.....	A.....	Normal

Roberts, Charles Whitson	I	Normal
Roberts, Charlotte M.	M	Sutton
Roberts, Edith Terne	L	Lincoln
Roberts, Genevieve L.	M	Lincoln
Roberts, Grace Agnes	S	Alma
Roberts, Harry William	I	Bolchow, Mo.
Roberts, Herbert Haven	A	Lincoln
Roberts, John William	L	Alma
Robertson, Claude Hoag	I	Omaha
Robertson, Edwin Norris	I, Med	Omaha
Robertson, Jessie M.	L	Plattsmouth
Robertson, William	L	Plattsmouth
Robinson, Elmer Fulton	Law	Hartington
Robinson, Ralph Marion	I	Central City
Robison, Lillian Beatrice	L	Omaha
Roddy, Mary Elizabeth	L	Nebraska City
Roediger, Elsie Louise	L	Lincoln
Rogers, Mary Blanche	L	Lincoln
Rohrer, Burton Floyd	I	Friend
Rohrer, Isaac Truman	I	Friend
Rolfson, Charles Martinus	Law	Wisner
Roman, Lillian Vivian	L	Lincoln
Roosa, Angie	L	Lincoln
Roper, Grace Candace	L	Lincoln
Roper, Mabelle Alice	L	Lincoln
Roscoe, Alva W.	I	Lyons
Roscow, Jessie Isabel	Art	Lincoln
Rose, Genevieve	M	Lincoln
Roth, Harold Denio	Law	Lincoln
Rowan, Gertrude Norton	L	Lincoln
Royce, Grace Eddy	Art	Lincoln
Rozmarin, Joseph	A	Clarkson
Rubendall, Clarence	Med, I.	Madison
Rudge, Caroline Stewart	L	Lincoln
Rudy, Harry Lee	L	Havelock
Ruff, Ernest Allen	A	Papillion
Rugh, Maude E.	M	Lincoln
Rumery, Arthur Clark	Med	Mason City
Runge, John Henry	A	Gretna
Runge, William	A	Hoskins
Runsteen, Anna Christian	S	Stromsburg
Rush, Benjamin Franklin	I	Lincoln
Russell, Grace	L	Glenwood, Ia.
Ruzicka, Frank W.	S	Clarkson
Ryan, Francis Griggs	L	Lincoln
Ryba, Allie	M	Narka, Kan.
Rydberg, Jennie Christina	Art, L	Stromsburg
Rymal, Tammie	I	Lincoln
Ryner, Ira	L	Cedar Rapids

Ryons, Jessie White.....	Art.....	Lincoln
Sain, Lida Elizabeth.....	L.....	Lincoln
Salisbury, Fred Olin.....	Law.....	Lincoln
Salisbury, Nell.....	M.....	Lincoln
Salter, LaDuskie.....	L.....	El Dorado, Kan.
Sample, Thomas Edward.....	Med.....	Harvard
Sampson, Arthur William.....	I.....	Oakland
Sampson, William Reuben.....	Law.....	Western
Sargent, Charles Robinson.....	Law.....	Garrison
Sargent, Grace Chester.....	L.....	Lincoln
Sargent, Helen Mandana.....	L, Art.....	David City
Sargent, Marianne.....	M.....	Lincoln
Saults, Louise.....	L.....	Gregory
Saunder, Pearl.....	M.....	Elgin
Savery, Clyde.....	I.....	Juniata
Sawyer, Alyce.....	M.....	McCook
Sawyer, Charles Abbott.....	L.....	Lincoln
Sawyer, John LeRoy.....	Law.....	Torrington, Wyo.
Saxton, Elmer Elvin.....	I.....	Tekamah
Scarborough, Ray James.....	L.....	Lincoln
Schaefer, Ida Edna.....	L.....	West Point
Schaupp, Vera.....	M.....	Lincoln
Scheidt, Anna.....	M.....	Baxter, Ia.
Scherzer, Jane.....	M.....	Dorchester
Schlapper, Otto William.....	A.....	Lincoln
Schlechte, Carsten George.....	A.....	Waco
Schlechte, Henry William.....	A.....	Waco
Schlechte, Herman William.....	A.....	Waco
Schlesinger, Nella Gabrielle.....	L.....	Lincoln
Schmidt, Clara Hulda.....	L.....	Lincoln
Schmidt, Minnie Katherine.....	D.....	Lincoln
Schneider, Etta May.....	L.....	Fremont
Schneider, Theodore.....	I.....	Sutton
Schobert, William Bartell.....	A.....	Papillion
Scholes, Arthur Albert.....	I.....	Havelock
Schoonover, William Leroy.....	I.....	Mountainside, N. J.
Schreiber, Arthur Garfield.....	I.....	Omaha
Schreiber, Emma Estelle.....	L.....	Omaha
Schroeder, Emma.....	M.....	Lincoln
Schwartz, Elsie Emma.....	L.....	Omaha
Schwertly, Alice Katherine.....	L.....	Missouri Valley, Ia.
Scotfield, Ruth Marcia.....	L.....	Lincoln
Scott, Birdie Grace.....	L.....	Lincoln
Scott, Clement Shedd.....	I.....	Ashland
Scott, Cora Hazel.....	L.....	Ponca
Scott, Effie Leese.....	L.....	Lincoln
Scott, Georgia I.....	M.....	Cowles
Scott, Joseph Alfred.....	L.....	Lincoln
Scott, Willie H.....	M.....	Lincoln

Scribner, Arthur L.	L.	Omaha
Searle, Albert Addison	L.	Lincoln
Searle, Ralph Homer	L.	Lincoln
Searles, Katherine M.	M.	Lincoln
Sears, Archie Kennedy	I.	Lincoln
Seeley, Willis James	L.	Milford
Seifert, Charles Edward	L.	Lincoln
Selby, Bertha May	L.	Davenport
Selby, Gertrude	M.	Davenport
Sevcik, John Steven	A.	St. Paul
Severance, Ralph S.	I.	Central City
Severin, Albert August	L, Art.	Hallam
Seybold, George Edward	Law.	Harvard
Seybold, James Abram Garfield	I.	Harvard
Shallenberger, Martin Conrad	L.	Alma
Shantz, Homer LeRoy	G.	Colorado Springs, Colo.
Shedd, Edith Waugh	M.	Ashland
Shedd, George Clifford	Law.	Ashland
Shelburn, Otho Ernest	Law.	Alma
Sheldon, Addison Ervin	G.	Lincoln
Sheldon, Lucian Ambler	I.	Avoca
Shepard, Frank Thomas	Law.	Lincoln
Shepherd, Olive O.	L.	Fairbury
Sheppard, Rua Lee	L.	Fairfield
Sherdeman, Eva Florine	L.	Lincoln
Sherman, Nancy Moore	L.	Crete
Sherman, Winifred Speranza	L.	Lincoln
Shields, Joseph Ralph	Law.	Pewaukee, Wis.
Shields, Zora Inez	G.	Omaha
Shiley, Ralph Charles	A.	York
Shinbur, Emma Ethel	L.	Oakland
Shindoll, Walter E.	I.	Beatrice
Shorey, Clyde Everett	L, Law.	Seward
Short, Mamie Frances	G.	Lincoln
Shotwell, Elizabeth May	I.	Garrison
Show, John Harry	L.	Tekamah
Shuman, William Edgar	Law.	North Platte
Shumway, Faye Percival	L.	Hastings
Sidwell, Lawrence Tweedy	Med, I.	Omaha
Siecke, Eric Otto	L.	Wisner
Siem, Peter	A.	Plainview
Sinnerman, William Francis	A.	Carroll
Simmoms, Nathaniel Rollins	I.	York
Simms, John Schaffer	Med, I.	Alma
Simon, Charles Noble	I.	College View
Sine, L. P.	M.	Lincoln
Sine, L. Ross	M.	Lincoln
Sisson, Robert J.	I.	Hebron
Sjogren, Carl Fred	A.	Axtel

Skeen, Earl Donovan.....	Med, I.....	Lincoln
Skinkle, Evelyne.....	S.....	Sterling
Skubal, Rudolph L.....	A.....	Virginia
Slater, Mary Luella.....	S.....	Pawnee City
Slater, Mildred Mary.....	L.....	Omaha
Slaughter, Carl Denton.....	I.....	Omaha
Slocum, Carrie H.....	L.....	Falls City
Slocum, Clayton Newton.....	A.....	Blair
Sly, Elva Lorena.....	G.....	Pawnee City
Smead, Howard Rufus.....	Law.....	Lead, S. D.
Smiley, Byron George.....	I.....	South Omaha
Smith, Arthur Deering.....	L.....	Auburn
Smith, Bessie.....	L.....	Schuyler
Smith, Cora F.....	M.....	Lincoln
Smith, Eldon Jesse.....	Med.....	South Omaha
Smith, Emma Belle.....	S.....	South Omaha
Smith, Frank Parmelee.....	L.....	Paso, Mo.
Smith, Frank Webster.....	G.....	Lincoln
Smith, Glenn Washington.....	I.....	Plattsmouth
Smith, Harry Leslie.....	Law.....	Aurora
Smith, Harley Marion.....	Law.....	Albia, Iowa
Smith, Harry Scott.....	I.....	Broken Bow
Smith, Jane Sprott.....	L.....	Omaha
Smith, Lora Amanda.....	L.....	Lincoln
Smith, Penelope Margaret.....	S.....	Omaha
Smith, Ralph B.....	I.....	Alliance
Smith, Ralph C.....	L.....	Ulysses
Smith, Richard Hubert.....	Law.....	Beatrice
Smith, Warren Job.....	L.....	Geneva
Smith, William Herschel.....	I.....	Tobias
Smock, Eddys H.....	M.....	Lincoln
Smoyer, Nellie Adelaide.....	L.....	Syracuse
Smutz, William Walter.....	A.....	Pawnee City
Snively, Edgar Fudge.....	Law.....	Chilhowie, Va.
Snodgrass, Omer Leslie.....	A.....	Johnson
Snyder, Bessie Fae.....	L, Art.....	O'Neill
Snyder, Gertrude.....	M.....	Bladen
Snyder, Helen J.....	M.....	Lincoln
Soehl, Fred Herman.....	L.....	Dennison, Ia.
Somerville, Glenn.....	I, Med.....	McCook
Sontheimer, Lillie.....	Art.....	Lincoln
Southwick, Homer J.....	Law.....	Friend
Southwick, Lola Josephine.....	L.....	Lincoln
Spafford, Erma Leona Rahlston.....	L.....	Rubbell
Spafford, Lynne H.....	L.....	Aurora
Spalding, Harriet K.....	M.....	Lincoln
Sparks, Rollan Batterton.....	A.....	Grand Island
Spear, George E.....	G.....	Seward
Spears, Alice Rebecca.....	L.....	Lincoln

Spears, Margaret Edna.....	L.....	Lincoln
Speer, Jephtha Pierson.....	Law.....	Lincoln
Speich, Anna.....	M.....	Sutton
Speidell, Louise Augusta.....	L.....	Lincoln
Speier, Rose.....	L.....	Lincoln
Spencer, Eugene Garfield.....	S.....	Red Oak, Ia.
Sprague, Ernest Edgar.....	Law.....	Selden, Kan.
Sprague, Elizabeth Mary.....	L.....	Chehalis, Wash.
Staats, Etta Pearle.....	L.....	Plattsmouth
Stacy, Ward Alan.....	I.....	Davenport
Standeven, Walter Elon.....	I.....	Omaha
Stanley, Court Roger.....	I.....	South Omaha
Stanley, Emory Day.....	Med, L.....	South Omaha
States, Herbert James.....	L.....	Lincoln
States, Olive.....	L.....	Lincoln
Stearns, Mary Louise.....	L.....	Omaha
Stebbins, Millicent.....	L.....	Omaha
Stech, Fred R.....	A.....	Milligan
Steen, Clarence Guy.....	I.....	Wahoo
Steffen, Edward Elmer.....	I.....	Harbine
Steigner, Eunice de.....	L.....	Lincoln
Steigner, Virginia de.....	Art.....	Lincoln
Stein, Carl Albert.....	L.....	Lincoln
Stein, Herman Christian.....	A.....	Turner
Steiner, Flora B.....	M.....	Lincoln
Steiner, Harold Ruben.....	I.....	Lincoln
Stelk, William Detlef.....	A.....	Grand Island
Stephens, Mabel Harriett.....	L.....	Omaha
Sterling, Katharin Grace.....	L, Art.....	Parker, S. D.
Stetter, Leta H.....	L.....	Valentine
Steven, Clara Belle.....	L.....	Geneva
Stevens, John Cyprian.....	I.....	College View
Stevenson, Elsie Pearl.....	L.....	North Bend
Stevenson, Nellie.....	L.....	Lincoln
Stevenson, Otto Frederick.....	I.....	Bracken
Stevenson, Pearl.....	L.....	Auburn
Stevenson, William.....	A.....	David City
Stewart, Abbie Gross.....	L.....	Blair
Stewart, Charles Hardy.....	L.....	Auburn
Stewart, Frank Alexander.....	L.....	Auburn
Stewart, Jay Gould.....	A.....	Kennard
Stewart, Verna.....	I.....	Palmyra
Stewart, Viola.....	L.....	Axtell
Stibal, John Jr.....	L.....	Richland
Stiles, Jessie Lincoln.....	L.....	Lincoln
Stine, Abraham.....	Ms.....	Lincoln
Stines, Roy.....	I.....	Fairmont
Sterling, Kittie Mabel.....	L.....	Omaha
Sterling, Margaret Duncan.....	L.....	Omaha

Stoakes, Charles Stewart.....	I.	Traer, Ia.
Stockton, Frank S.....	I.	Springfield
Stokes, Guy P.....	Med.	Sioux Falls, S. D.
Stoltenburg, Emil H.....	I.	Florence
Stone, Lloyd Parker.....	I.	Lincoln
Stone, Mabel Emma.....	L.	Hastings
Stone, Roland E.....	I.	Harvard
Stong, Robert Charles.....	Law	Syracuse
Storrs, Lucius Seymour.....	G.	St. Paul, Minn.
Story, Samuel T.....	A.	Tekamah
Strangland, Mrs. H. M.....	M.	McCook
Stratton, Archie James.....	Law	Wahoo
Stratton, Myrtle.....	L.	Humboldt
Streeter, Helen Choate.....	L.	Kearney
Streiter, Martin Ernest.....	Ms.	Seward
Stringer, Caroline Effie.....	G.	Lincoln
Strode, Mrs. E. C.....	Art.	Lincoln
Stryker, Richard Nevius.....	I.	Lewiston
Stuart, Albert Berry.....	Med.	Harlan, Ia.
Stuart, Anne Elizabeth.....	Art.	Madison
Stuart, Charles.....	I.	Lincoln
Stuart, Rosalie.....	L.	Lexington
Stull, Bertha Bianca.....	Law	Lincoln
Stull, Dell D.....	M.	Lincoln
Sturdevant, La Zelle Brantley.....	G, Med.	Atkinson
Stutheit, Ellen.....	M.	Lincoln
Sullivan, Florence Henry.....	L.	Lincoln
Sullivan, George Leonard.....	I.	Jackson
Sullivan, George Webster.....	Med.	University Place
Sullivan, Herbert L.....	A.	Tekamah
Sullivan, Ina M.....	M.	University Place
Sullivan, Mable S.....	L.	Lincoln
Sumner, Lulu Tracy.....	L.	Lincoln
Sunderland, Roy.....	L.	Omaha
Sunderlin, Charles Algernon.....	L.	Lincoln
Sutherland, Laura.....	M.	Kearney
Sutton, Frank Everett.....	L.	Bloomfield
Sutton, Lola M.....	M.	Bethany
Svoboda, James.....	A.	Liberty
Swan, Alfred Helmer.....	L.	Omaha
Swan, Orrington Thomas.....	I.	Atlantic, Ia.
Swanfeldt, Blanche.....	M.	Lincoln
Swanson, Frank B.....	A.	Loomis
Sward, Edna.....	M.	Elgin
Sward, Francis Ludwick.....	Law	Axtell
Swearingen, Mrs. H. C.....	M.	Lincoln
Swedeburg, Alyce M.....	M.	Lincoln
Sweeley, Fred Allen.....	L.	Omaha
Swenk, Myron Harman.....	L.	Lincoln

Swezey, Emma Josephine.....	L.....	Lincoln
Swezey, Minnie.....	L.....	Lincoln
Swoboda, Frantz.....	Med.....	Omaha
Syford, DeWitt N.....	A.....	Lincoln
Syford, Ethel C.....	M.....	Lincoln
Syford, Lester Corwin.....	L.....	Lincoln
Talbot, Clifton Dale.....	L.....	South Omaha
Talbot, David.....	Law.....	Vermillion, S. D.
Talbot, Emma Lavina.....	L.....	South Omaha
Talbot, Minnie Merle.....	L.....	Lincoln
Tanner, Joseph Earle.....	Law.....	Laclede, Kan.
Taylor, Alma F.....	M.....	David City
Taylor, Calvin Hill.....	L.....	Union
Taylor, George L.....	Law.....	Aurora
Taylor, Ida May.....	G.....	Exeter
Taylor, Viletta.....	M.....	Minatare
Taylor, Viola.....	M.....	Minatare
Temple, Guy Allen.....	L.....	Lexington
Thiesen, William Walter Edward.....	I.....	West Point
Thelen, Herman Joseph.....	A.....	Shelby
Theobald, Herbert Jeremiah.....	Law.....	Wayne
Theobald, Monte Josephine.....	L.....	Wayne
Thiele, Noah Webster.....	I.....	West Point
Thomas, Adelaide.....	M.....	Tecumseh
Thomas, Elwin Leroy.....	I.....	Lyons
Thomas, Hannah May.....	L.....	Dawson
Thomas, John Willard.....	L.....	Lincoln
Thomas, Lillian M.....	L.....	Red Oak, Ia.
Thompson, Hilma.....	L.....	Belvidere
Thompson, Irwin Levi.....	Med, I.....	West Point
Thompson, Robert Henry.....	I.....	Omaha
Thompson, Ruth M.....	L.....	Omaha
Thompson, Sadie M.....	S.....	Lincoln
Thomsen, John.....	Med.....	Audubon, Ia.
Thomson, Peter Henry.....	G.....	Minden
Thorn, Frank Edwin.....	Law.....	Lincoln
Thorne, Carey Vance.....	I.....	Lincoln
Tibbets, Anna Mary.....	L.....	Lincoln
Tibbets, Raymond Marsh.....	L.....	Hastings
Tillman, Harry Jefferson.....	Law.....	Lincoln
Tilton, Harry Leslie.....	A.....	Firth
Timmerman, Ona Herbert.....	I.....	Stella
Timms, Lillian Florence.....	L.....	Omaha
Tinkham, Guy Linn.....	L.....	Fairbury
Tolles, Chester Warren.....	A.....	Laurel
Tolles, Ralph Lewis.....	A.....	Laurel
Torossian, Mihran Hacher.....	Med.....	Lincoln
Totton, Agatha Welthy.....	L.....	Lincoln
Tout, Wilson.....	S.....	York

Towne, Alice Christine.....	L	Omaha
Towne, Harriet Estella.....	L	Lincoln
Towne, Ralph Ezra.....	I	Wood River
Towne, Verne William.....	Law	Inwood, Ia.
Townsend, Murray Edwin.....	L	Tecumseh
Tracy, Daisy A.....	M	Pine Bluff, Wyo.
Travis, Helen E.....	L	Plattsmouth
Trester, Mrs. Lewis H.....	M	Lincoln
Trickey, Mignon Azalia.....	Art	Lincoln
Trine, Sterling Morton.....	A	Madison
Trostler, Isadora Simon.....	Med	Omaha
Trueblood, Jenny Lind.....	L	Lincoln
Tucker, Adah Almira.....	Med, I	Lincoln
Tucker, Henry Robinson.....	G	Lincoln
Tucker, Winifred Marie.....	Med	Lincoln
Tulleys, Charles Wesley.....	L	Council Bluffs, Ia.
Tunison, George McGregor.....	L	Cozad
Turner, Johnson Craig.....	A	Columbus
Turner, Leonard Whittier.....	I	Wilber
Tuttle, Emma Jean.....	G	Lincoln
Tuttle, Joanna Kathleen.....	L	Lincoln
Tyner, Edward Price.....	L	Concordia, Kan.
Uebel, Leroy Oliver.....	I	Oxford
Uhlich, Alice J.....	M	Lincoln
Ullstrom, Roy.....	A	Memphis
Underwood, Robert Lorden.....	Med	Eldoria, Ia.
Unthank, Alice Gertrude.....	L, Art	Lincoln
Updike, Robert Browning.....	L	Omaha
Upson, Fred Wilbert.....	I	Lincoln
Upton, Vera A.....	M	Lincoln
Valentine, Edward.....	Med	Omaha
Van Boskirk, John.....	A	Alliance
VanBurgh, James Lloyd.....	Law	Hickman
VanBurgh, Mae N.....	M	Hickman
Vance, Paul Lorraine.....	Law	Mead
Vanderslice, Bertha Elizabeth.....	L	Cheney
Vanderslice, Howard Roy.....	A	Cheney
Vanderveer, Minnie Alma.....	L	Davenport
VanFleet, Carl.....	A	Lincoln
VanGordon, Bernice.....	M	Gresham
VanHorne, Lucy Grace.....	L	Pawnee City
VanMiddlesworth, Edith.....	L	Peru
VanWie, Emma.....	M	Lincoln
VanZandt, Anna Marsh.....	L	Ewing
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Varuska, Katherine.....	L	Wilber
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Vavra, Charles.....	L	Exeter
Venters, Alice.....	I	Lincoln

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Vincent, Cuthbert.....	A.....	Omaha
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Vizzard, William James.....	L.....	St. Edward
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Wagner, Harry Jacob.....	A.....	Hooper
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Wainwright, Cornelius Isaac.....	Med.....	Gretna
Waldron, Clement Leverne.....	L.....	Schuyler
Walker, Bertha Ernestine.....	L.....	Lincoln
Walker, Cora Malvina.....	L.....	Plattsmouth
Walker, Fred Gail.....	L, Art.....	Lincoln
Walker, George Herman.....	Med, I.....	Norfolk
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Wallace, Margaret.....	Art.....	Lincoln
Wallace, Mary Beth.....	L.....	Omaha
Wallace, Olive May.....	Art.....	Lincoln
Walling, Beatrice Asenath.....	L.....	Lincoln
Walrath, Clarence Earl.....	L.....	Omaha
Walsh, Vine Gahan.....	L.....	Lincoln
Waltman, Edward Ellsworth.....	Law.....	Creston, Ia.
Walton, Charles Newton.....	L.....	Creighton
Walton, Edwin Roger.....	L.....	Lincoln
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Ware, Norton.....	I.....	Nebraska City
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Warner, Myra.....	L, Art.....	Roca
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Warner, Orlyn Dorphon.....	Law.....	Iowa City, Ia.
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Warren, Horace Prettyman.....	I.....	Lincoln
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Warrick, Dora.....	S.....	Lincoln

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Waters, Clark Story.....	S.....	Broken Bow
Waters, Rosa Groeling.....	M.....	Lincoln
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Wekesser, Henry Peter.....	Med.....	Lincoln
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Wellensiek, Herman Godfrey.....	Law.....	Syracuse
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Wellensiek, William Martin.....	A.....	Cook
Weller, Alfred.....	I.....	Grand Island
Weller, John H.....	I.....	Seward
Welton, Merton Merwin.....	Ms.....	Waverly
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Westover, John.....	L.....	Lincoln
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Whaley, Laura Ella.....	L.....	Osceola
Wharton, Henry John.....	L.....	Lincoln
Whedon, Charles Lindon.....	L.....	Lincoln
Wheeler, Mason.....	L.....	Lincoln
Wheeler, Robert Albinus.....	I.....	Lincoln
Whelan, William.....	L.....	Waco
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Whipkey, Mary Edith.....	L.....	Carlton
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Whipple, Ruth Elizabeth.....	L.....	Fairbury
Whitcomb, Pauline.....	M.....	Lincoln
White, Earl Emmette.....	I.....	Friend
White, George Clyde.....	A.....	Lincoln
White, Grace Constance.....	Art.....	Lincoln
White, Lora Amanda.....	L.....	Webster City
White, Leslie Francis.....	A.....	McCook
White, Robert Holdrege.....	I.....	Plattsmouth

White, Roy.....	L.....	Table Rock
Whited, Kirk.....	Law.....	Wenatchee, Wash.
Whitham, Harriet.....	S.....	McCook
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Whitmore, Jennie Grace.....	D.....	Valley
Whittier, Bernice.....	L.....	Whiting, Ia.
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Whyman, Estella May.....	S.....	Adams
Wiggers, Fred Adolph.....	I.....	Wisner
Wigton, Harrison A.....	Med.....	Omaha
Wilburn, Carleton Chapin.....	Law, L.....	Greenwood
Wilcox, Lewis Melville.....	A.....	Tekamah
Wiles, James Leslie.....	L.....	Weeping Water
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Wilkinson, Mrs. Richard.....	L.....	Lincoln
Willard, Marguerite Lutheda.....	L.....	St. Edward
Williams, Everett Lyle.....	Law.....	Sparta, Wis.
Williams, Frank.....	L.....	Tecumseh
Williams, John Alva.....	A.....	Roca
Williams, Hattie Pearl.....	S.....	Wood River
Williams, Hattie Plum.....	G.....	Lincoln
Williams, Mabel.....	L.....	Lincoln
Williams, Mary Agnes.....	L.....	McCook
Williams, Maude.....	D.....	Lincoln
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Wilson, Claude Staley.....	G.....	Lincoln
Wilson, Don Clarence.....	I.....	Broken Bow
Wilson, Edith.....	M.....	Lincoln
Wilson, George Samuel.....	I.....	Columbus
Wilson, Harry Scott.....	I.....	Lincoln
Wilson, Helen.....	L, Art.....	Lincoln
Wilson, John Ambrose.....	Law, L.....	Omaha
Wilson, James Lee.....	Med, I.....	Rushville
Wilson, Maude Emma.....	L.....	Lincoln
Wilson, Nellore Isabel.....	L.....	Lincoln
Wilson, Ruth Mary.....	L.....	Omaha
Wilson, S. Bertha.....	S.....	Lincoln
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Winchester, Dean Eddy.....	I.....	Lincoln
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Withey, Donna Lavonne.....	L.	Omaha
Witte, Edward Lewis.....	L.	De Witt
Wolf, Albert Emil.....	L.	Odell
Wolf, Fred Adolph.....	L.	Odell
Wolfe, Ada.....	L.	Lincoln
Wolfe, Della.....	M.	Lincoln
Wolfe, Isabel J.....	M.	Lincoln
Wolfe, Maude.....	L.	Lincoln
Wolfenbarger, Ethel Goodrich.....	L.	Lincoln
Wolff, Frederick Laurence.....	Law	Creston, Ia.
Wolford, Della Myrtle.....	S.	Adams
Wolvin, Clyde.....	A.	Utica
Wood, Caroline Elizabeth.....	Art	Ponca
Woodard, James Madison.....	Med	Aurora
Woodford, Henry Lane.....	I.	Weeping Water
Woodin, Jennie.....	S.	Buffalo
Woodman, Hanna Rea.....	G.	Des Moines, Ia.
Woodring, Jennie Lee.....	L.	Lincoln
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Woodruff, Genevra.....	Art	Lincoln
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Woods, Flora.....	L.	Lincoln
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Woods, Warren Willis.....	L.	Lincoln
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Wright, John.....	Med	Wilcox
Wroughton, Oliver Loraine.....	Law	Nelson
Wurts, Carrie Agnes.....	L.	Murdock
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